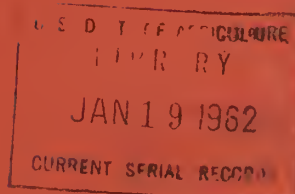


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(Part 2)
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TABULATIONS OF DHIA RECORDS OF
DAUGHTERS OF AI SIRES
IN THE
UNITED STATES

(Part 2)
(Pages 1 - 265, incl.)



Growth Through Agricultural Progress

Agricultural Research Service
United States Department of Agriculture

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12	New Hampshire	4	12	63	114	165	216
13	Vermont	4	13	64	115	166	217
14	Massachusetts	4	14	65	116	167	218
15	Rhode Island	4	15	66	117	168	219
16	Connecticut	4	16	67	118	169	220
21	New York	4	17	68	119	170	221
22	New Jersey	5	18	69	120	171	222
23	Pennsylvania	5	19	70	121	172	223
31	Ohio	5	20	71	122	173	224
32	Indiana	5	21	72	123	174	225
33	Illinois	5	22	73	124	175	226
34	Michigan	5	23	74	125	176	227
35	Wisconsin	5	24	75	126	177	228
41	Minnesota	6	25	76	127	178	229
42	Iowa	6	26	77	128	179	230
43	Missouri	6	27	78	129	180	231
45	North Dakota	6	28	79	130	181	232
46	South Dakota	6	29	80	131	182	233
47	Nebraska	6	30	81	132	183	234
48	Kansas	6	31	82	133	184	235
50	Delaware	7	32	83	134	185	236
51	Maryland	7	33	84	135	186	237
52	Virginia	7	34	85	136	187	238
54	West Virginia	7	35	86	137	188	239
55	North Carolina	7	36	87	138	189	240
56	South Carolina	7	37	88	139	190	241
57	Georgia	7	38	89	140	191	242
58	Florida	8	39	90	141	192	243
61	Kentucky	8	40	91	142	193	244
63	Tennessee	8	41	92	143	194	245
64	Alabama	8	42	93	144	195	246
65	Mississippi	8	43	94	145	196	247
71	Arkansas	8	44	95	146	197	248
72	Louisiana	8	45	96	147	198	249
73	Oklahoma	9	46	97	148	199	250
74	Texas	9	47	98	149	200	251
81	Montana	9	48	99	150	201	252
82	Idaho	9	49	100	151	202	253
83	Wyoming	9	50	101	152	203	254
84	Colorado	9	51	102	153	204	255
85	New Mexico	9	52	103	154	205	256
86	Arizona	9	53	104	155	206	257
87	Utah	10	54	105	156	207	258
88	Nevada	10	55	106	157	208	259
91	Washington	10	56	107	158	209	260
92	Oregon	10	57	108	159	210	261
93	California	10	58	109	160	211	262
94	Puerto Rico	10	59	110	161	212	263
95	Hawaii	10	60	111	162	213	264
96	Alaska	10	61	112	163	214	265

TABULATIONS OF DHIA RECORDS OF DAUGHTERS OF AI SIREs IN THE UNITED STATES^{1/}

In this part of the AI Tabulations are Tables 8, 9, 11, 12, 13, and 14. The contents of the various tabulations are indicated by titles of tables listed in the index on back of the front cover.

These tabulations include the DHIA lactation records of all AI daughters of all sires reported to the Dairy Cattle Research Branch, AHRD, in AI service from 1939 through January 1, 1961, and the lactation records of 461,100 daughters of 7,618 AI sires reported to the Dairy Cattle Research Branch, AHRD, prior to May 1, 1961.

All production records used in these tabulations consist of 305-day lactation records standardized to a mature-equivalent twice-a-day milking basis. When more than one lactation record were available for a cow, each record was standardized and the average of all standardized records used to represent the production capacity of the cow.

Compilation of contemporary (herd-mate) and yearly-herd-average data are dependent on herd codes to assemble such data for each sire. Because a uniform system of identifying DHIA herds by code has been in operation for only a few years, lactation records and herd-average data reported in earlier years are not identified by herd codes. Tabulations for the older sires listed, therefore, may include little or no herd-mate or yearly-herd-average data.

^{1/} AI Tabulations 1961 are in 5 parts (parts 1 and 3 are divided into 3 sections), published by Dairy Cattle Research Branch, Animal Husbandry Research Division, Agricultural Research Service.

ARTIFICIAL-BREEDING ORGANIZATIONS IN THE UNITED STATES

DHIA Proved-Sire Records, of sires in AB service, indicate by code number the last AB organization in which a sire is used. Following is a complete list of AB organizations that have operated in the United States (according to reports received in the Dairy Cattle Research Branch). Some no longer exist, but sires used in such organizations may be proved or reproved, in which case reference will be made to the organization in the proved-sire record.

STATE			ORGANIZATION		STATE			ORGANIZATION	
Name	Code	Code	Name		Name	Code	Code	Name	
Maine	11	02	Androscoggin Valley ABA		Wisconsin	35	12	Trempealeau Co-op. ABA	
Maine	11	03	Androscoggin Valley & Central Maine ABA		Wisconsin	35	13	Tri County ABA	
Maine	11	04	Central Maine ABA		Wisconsin	35	05	*Tri State Co-op. ABA	
Maine	11	01	*Maine Breeding Co-op. Inc.		Wisconsin	35	14	University of Wisconsin ABA	
New Hampshire	12	01	New Hampshire ABA		Wisconsin	35	15	Vernon Co. Co-op. ABA	
New Hampshire	12	03	*New Hampshire-Vermont ABA		Wisconsin	35	16	Wisconsin Experimental Breeding Project ABA	
New Hampshire	12	02	Willow Spring ABA		Minnesota	41	19	Aitkin Co. ABA	
Vermont	13	03	Agri. Experimental Sta. ABA		Minnesota	41	05	Barnum ABA	
Vermont	13	01	Central Vermont ABA		Minnesota	41	06	Central Minnesota ABA	
Vermont	13	02	Vermont Co-op. ABA Inc.		Minnesota	41	04	*Consolidated Breeders Co-op. ABA	
Massachusetts	14	02	Bristol Co. Farm Bureau Inc. ABA		Minnesota	41	07	Floodwood Co-op. ABA	
Massachusetts	14	01	Massachusetts ABA Inc.		Minnesota	41	20	Friendly Valley ABA	
Rhode Island	15	01	Rhode Island Co-op. ABA Inc.		Minnesota	41	14	Land O'Lakes Creameries Inc. ABA	
Connecticut	16	01	Connecticut ABA Inc.		Minnesota	41	01	*Minnesota Valley ABA	
Connecticut	16	02	Fairfield-New Haven ABA		Minnesota	41	02	Minnesota Valley and Southern Minnesota ABA	
Connecticut	16	03	Litchfield Co. ABA		Minnesota	41	08	North Minnesota ABA	
Connecticut	16	04	*New England Selective ABA		Minnesota	41	21	North St. Louis Co. ABA	
New York	21	03	Broome Co-op. ABA Inc.		Minnesota	41	03	Northwest Minnesota ABA	
New York	21	02	Broome Tioga Co-op. ABA Inc.		Minnesota	41	22	Pine Co. ABA	
New York	21	04	Cortland ABA Inc.		Minnesota	41	10	Roseau Co. Creameries ABA	
New York	21	01	*New York Artificial Breeders Co-op. Inc.		Minnesota	41	17	Southern Minnesota Breeding Federation ABA	
New York	21	05	Roundout ABA		Minnesota	41	18	Swink AB Corp.	
New York	21	06	Seneca Co-op. ABA Inc.		Minnesota	41	11	Tilney Farms ABA	
New York	21	07	Sullivan Co. ABA		Minnesota	41	16	Watowan Truman Co-op. Creamery ABA	
New Jersey	22	07	Burlington Co. ABA		Minnesota	41	13	West St. Louis Co. ABA	
New Jersey	22	04	Morris Co. Co-op. ABA Inc.		Minnesota	41	12	Willard Co-op. ABA	
New Jersey	22	05	New Jersey Experiment Station ABA		Iowa	42	10	Crawford Co. ABA	
New Jersey	22	03	*New Jersey Co-op. ABA Inc.		Iowa	42	02	*Eastern Iowa ABA Inc.	
New Jersey	22	06	Plainboro ABA		Iowa	42	04	Humbolt Co-op. ABA	
New Jersey	22	01	*Sussex Co-op. ABA Inc.		Iowa	42	08	*Iowa Breeders Co-op. ABA	
New Jersey	22	08	Walker-Gordon ABA		Iowa	42	03	Iowa Dairy Genetics Inc. ABA	
Pennsylvania	23	03	Clarion Co. ABA		Iowa	42	05	Linn Co. Co-op. ABA	
Pennsylvania	23	02	*First Pennsylvania Co-op. ABA		Iowa	42	06	North Iowa Co-op. ABA	
Pennsylvania	23	06	Golden Genes ABA Inc.		Iowa	42	01	Northwest Iowa Co-op. ABA	
Pennsylvania	23	07	Lehigh Valley Co-op. ABA		Iowa	42	09	Palo Alto Co-op. ABA	
Pennsylvania	23	04	*NEPA Co-op. ABA		Iowa	42	07	Western Iowa ABA	
Pennsylvania	23	08	*Southeastern Pennsylvania Co-op. ABA		Missouri	43	09	AVA ABA	
Pennsylvania	23	05	*Western Pennsylvania Co-op. ABA		Missouri	43	01	East Missouri ABA	
Pennsylvania	23	01	Zimmerman Dairy Farm ABA		Missouri	43	02	*M. F. A. ABA	
Ohio	31	01	*Central Ohio Breeding Association		Missouri	43	03	Mid West ABA	
Ohio	31	05	Northeast Ohio Co-op. ABA		Missouri	43	04	Missouri Dairy Breeders ABA	
Ohio	31	02	*Northern Ohio Breeding Association Inc.		Missouri	43	08	Osage Farms ABA	
Ohio	31	06	Northwest Ohio ABA		Missouri	43	05	Southwest Missouri ABA	
Ohio	31	03	Trumbull-Ashtabula ABA		Missouri	43	06	Trenton ABA	
Ohio	31	04	Western Ohio ABA		South Dakota	46	01	South Dakota Co-op. ABA	
Indiana	32	12	Bottema Farms ABA		Nebraska	47	09	Central Nebraska Non-stock Co-op. ABA Inc.	
Indiana	32	03	Elkhart Co. ABA		Nebraska	47	07	Dairy Breeders Enterprise ABA	
Indiana	32	04	Harrison ABA		Nebraska	47	03	Douglas Co-op. ABA	
Indiana	32	08	Harry Rosenbury ABA		Nebraska	47	04	Lancaster Non-stock Co-op. Dairy ABA	
Indiana	32	05	Indiana ABA		Nebraska	47	01	*Nebraska Dairy Breeders ABA	
Indiana	32	13	Indianapolis Co-op. ABA		Nebraska	47	05	Norfolk Non-stock Co-op. ABA	
Indiana	32	06	Indiana State Institutions ABA		Nebraska	47	06	University of Nebraska ABA	
Indiana	32	02	*John A. Newman and Sons ABA		Kansas	48	01	*Kansas ABA	
Indiana	32	07	LaPorte Co-op. ABA Inc.		Delaware	50	01	Delaware Co-op. ABA Inc.	
Indiana	32	16	North Benton-Newton-Jasper ABA		Delaware	50	02	New Castle Co-op. ABA	
Indiana	32	14	Producers Creamery ABA		Maryland	51	01	Maryland Co-op. ABA Inc.	
Indiana	32	09	Ross Farm ABA		Maryland	51	02	*Maryland-West Virginia Co-op. ABA	
Indiana	32	18	Southern Indiana ABA		Virginia	52	08	Blue Ridge ABA Inc.	
Indiana	32	15	Steuben ABA		Virginia	52	10	Culpeper ABA Inc.	
Indiana	32	11	Topeka ABA		Virginia	52	02	Franklin Co. ABA Inc.	
Indiana	32	10	Walter H. Ball ABA		Virginia	52	03	Loudoun Co. ABA Inc.	
Illinois	33	09	American Dairy Guernsey ABA		Virginia	52	06	North Va. Co-op. ABA Inc.	
Illinois	33	04	Central Illinois ABA		Virginia	52	04	Pulaski Co-op. ABA	
Illinois	33	03	*Curtiss Improved Stud Service Inc.		Virginia	52	09	Shenandoah Valley ABA	
Illinois	33	05	Eastern Stephenson ABA		Virginia	52	07	Southeast Virginia ABA Inc.	
Illinois	33	06	Inter Co. ABA		Virginia	52	05	Valley of Virginia Co-op. ABA Inc.	
Illinois	33	01	*Northern Illinois Breeding Co-op.		Virginia	52	01	*Virginia ABA Inc.	
Illinois	33	07	Shelby County ABA		West Virginia	54	01	West Virginia Co-op. ABA	
Illinois	33	02	*Southern Illinois ABA		North Carolina	55	04	Forsyth Co. ABA	
Illinois	33	08	Tri County ABA		North Carolina	55	01	*North Carolina Inst. Breeders ABA	
Michigan	34	04	Grand Valley ABA		North Carolina	55	02	North Carolina State College ABA	
Michigan	34	05	Hillsdale ABA		North Carolina	55	03	Southeastern ABA	
Michigan	34	01	*Michigan Co-op. ABA Inc.		South Carolina	56	02	*Chester Co-op. ABA	
Michigan	34	03	North Kent ABA		South Carolina	56	01	Clemson College ABA	
Michigan	34	02	Zeeland ABA		South Carolina	56	03	South Carolina Co-op. ABA	
Wisconsin	35	75	*American Breeders Service		Florida	58	01	Broward County ABA	
Wisconsin	35	01	*Associated Breeding Service ABA Inc.		Kentucky	61	01	*Kentucky ABA Inc.	
Wisconsin	35	02	*Badger Co-op. ABA		Tennessee	63	01	*East Tennessee ABA	
Wisconsin	35	18	Central Wisconsin Co-op. ABA		Tennessee	63	04	Maury-Williamson ABA Inc.	
Wisconsin	35	20	Clark County ABA		Tennessee	63	02	*Tennessee ABA	
Wisconsin	35	07	Clinton Stock Farm ABA Inc.		Tennessee	63	03	*West Tennessee ABA	
Wisconsin	35	08	Dane Co-op. ABA		Alabama	64	01	Alabama ABA	
Wisconsin	35	09	Dane Iowa Co-op. ABA		Alabama	64	02	Marshall Co. ABA	
Wisconsin	35	03	*East Central Co-op. ABA						
Wisconsin	35	19	Langlade Co. ABA						
Wisconsin	35	04	*Piper Brothers Farm ABA						
Wisconsin	35	10	Polk Co. Co-op. ABA						
Wisconsin	35	11	Rock Co. ABA						
Wisconsin	35	06	Southern Wisconsin Co-op. ABA						

*Indicates those AB Organizations reported in operation January 1, 1961.

STATE		ORGANIZATION	
Name	Code	Code	Name
Mississippi	65	01	Hinds Rankin ABA
Mississippi	65	08	Noxubee Co. ABA
Mississippi	65	06	Mid South ABA
Mississippi	65	02	*Mississippi Co-op. ABA
Mississippi	65	03	Pike Co-op. ABA
Mississippi	65	05	South Mississippi Co-op. ABA
Mississippi	65	07	Tippah Co. Fair and Livestock ABA
Mississippi	65	04	Tupelo ABA
Arkansas	71	01	*Arkansas ABA
Louisiana	72	01	*Louisiana AB Co-op. Inc.
Louisiana	72	02	Northern Louisiana Jersey ABA
Oklahoma	73	01	Eastern Oklahoma ABA
Oklahoma	73	02	Northwestern Oklahoma ABA
Oklahoma	73	03	Oklahoma Dairy Breeders ABA
Texas	74	09	Cameron Co. ABA
Texas	74	08	Hill Co. ABA
Texas	74	07	Muenster ABA
Texas	74	04	North Star ABA
Texas	74	02	North Texas ABA
Texas	74	05	Rio Vista ABA
Texas	74	01	*Texas A & M College ABA
Texas	74	03	Texas Tech ABA
Montana	81	01	Western Montana ABA
Idaho	82	01	Bluffview Farm ABA
Idaho	82	03	New Plymouth ABA
Idaho	82	02	Shamrock ABA
Colorado	84	04	Brookridge Farm Dairy ABA
Colorado	84	01	*Colorado State University ABS
Colorado	84	02	North Central Colorado ABA
Colorado	84	05	Surface Creek ABA
Colorado	84	03	Willow Springs ABA
New Mexico	85	01	New Mexico ABA

*Indicates those AB organizations reported in operation January 1, 1961.

STATE		ORGANIZATION	
Name	Code	Code	Name
Arizona	86	01	Arizona ABA
Arizona	86	02	*Eads ABA
Arizona	86	03	News ABA
Utah	87	01	*Cache Valley Co-op. ABA
Utah	87	02	Weber Co. ABA
Washington	91	08	Clark Co. ABA
Washington	91	02	Colville Valley ABA
Washington	91	07	Ed. P. Peterson ABA
Washington	91	01	*Evergreen Northwest Breeders ABA Inc.
Washington	91	09	Farwest ABA
Washington	91	03	Mt. Rainier ABA
Washington	91	06	Northeast Co-op. ABA
Washington	91	05	Northwest Co-op. ABA
Washington	91	04	Walla Walla Valley Co-op. ABA
Oregon	92	02	Multnomah ABA
Oregon	92	01	*Oregon Dairy Breeders Association
Oregon	92	03	Yamhill Co. ABA
California	93	02	*Adohr Dairy Farms ABA
California	93	01	*California Dairy ABA
California	93	03	*Excelsior ABA
California	93	04	Golden West ABA Inc.
California	93	05	*Jessup Breeders
California	93	10	*Pacific Breeders Co-op. Inc.
California	93	11	Sacramento Co-op. ABA
California	93	07	San Pasqual ABA Inc.
California	93	06	Santa Clara ABA
California	93	08	Sonoma Marin Co-op. ABA Inc.
California	93	09	Tulare Co-op. ABA
Puerto Rico	94	01	*Puerto Rico ABA
Hawaii	95	03	*Haleakala Dairy Farm ABA
Hawaii	95	02	Moanalua Dairy Ltd. ABA
Hawaii	95	01	Waimea Dairy ABA
Alaska	96	01	*Matanuska Valley ABA

STATE CODES

11 MAINE
12 NEW HAMPSHIRE
13 VERMONT
14 MASSACHUSETTS
15 RHODE ISLAND
16 CONNECTICUT
21 NEW YORK
22 NEW JERSEY
23 PENNSYLVANIA
31 OHIO
32 INDIANA
33 ILLINOIS
34 MICHIGAN
35 WISCONSIN
41 MINNESOTA
42 IOWA
43 MISSOURI
45 NORTH DAKOTA
46 SOUTH DAKOTA
47 NEBRASKA
48 KANSAS
50 DELAWARE
51 MARYLAND
52 VIRGINIA
54 WEST VIRGINIA

55 NORTH CAROLINA
56 SOUTH CAROLINA
57 GEORGIA
58 FLORIDA
61 KENTUCKY
63 TENNESSEE
64 ALABAMA
65 MISSISSIPPI
71 ARKANSAS
72 LOUISIANA
73 OKLAHOMA
74 TEXAS
81 MONTANA
82 IDAHO
83 WYOMING
84 COLORADO
85 NEW MEXICO
86 ARIZONA
87 UTAH
88 NEVADA
91 WASHINGTON
92 OREGON
93 CALIFORNIA
94 PUERTO RICO
95 HAWAII
96 ALASKA

TABLE 8.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED,
RECORDS FROM THIS STATE ONLY

	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES DAUS. NO. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.	
MAINE													
AYRSHIRE----	36	282	483	8128	4.1	337	29	7	8883	365	28	9052	372
GUERNSEY----	83	2325	5005	7619	4.9	370	68	23	8834	408	66	8779	407
HOLSTEIN----	161	6994	13671	11881	3.7	442	142	39	11993	458	135	11705	452
JERSEY-----	73	1948	4123	7304	5.2	381	52	14	7808	404	52	8186	421
BROWN SWISS--	10	20	32	11064	4.3	477							
M. SHORTHORN--	7	37	58	7536	3.9	288	5	3	9244	367	6	9031	347
TOTAL OR AVERAGE	370	11606	23372	9553	4.3	402	296	27	10181	427	287	10080	426
NEW HAMPSHIRE													
AYRSHIRE----	50	664	1400	9051	4.1	374	42	11	9527	392	42	9311	383
GUERNSEY----	73	588	1236	7732	4.8	367	53	7	9137	402	51	8893	390
HOLSTEIN----	132	3473	6259	12054	3.8	454	111	26	12086	459	103	11724	451
JERSEY-----	57	589	1265	7798	5.3	408	48	6	8238	425	50	8384	429
BROWN SWISS--	19	49	85	9141	4.0	370	13	2	9485	389	15	9754	392
M. SHORTHORN--	5	8	13	7733	3.7	291	4	1	13538	510	5	9898	371
TOTAL OR AVERAGE	336	5371	10258	9717	4.3	408	271	15	10328	429	266	10027	419
VERMONT													
AYRSHIRE----	86	1006	1793	8858	4.1	363	56	7	9644	387	54	9687	389
GUERNSEY----	136	917	1838	7746	4.7	367	71	3	8660	387	65	9165	407
HOLSTEIN----	351	5712	9813	11653	3.7	432	245	10	12243	459	240	12325	461
JERSEY-----	168	2503	4619	7552	5.3	395	107	7	8467	437	106	8477	436
BROWN SWISS--	38	192	306	10225	4.2	431	25	2	10576	441	27	9981	416
M. SHORTHORN--	1	2	3	10500	4.0	405	1	1	11705	454	1	8960	335
TOTAL OR AVERAGE	780	10332	18372	9709	4.3	405	505	8	10568	435	493	10657	438
MASSACHUSETTS													
AYRSHIRE----	55	977	1859	9134	4.1	383	43	18	9807	401	41	9622	397
GUERNSEY----	117	1732	3798	8124	4.8	389	98	15	9766	427	92	9759	428
HOLSTEIN----	331	7850	14903	12348	3.8	466	305	23	12601	479	298	12632	481
JERSEY-----	90	765	1593	7619	5.4	408	71	4	8123	426	71	8395	437
BROWN SWISS--	49	325	634	10949	4.4	472	32	5	10606	444	33	10557	444
M. SHORTHORN--	2	4	4	7239	3.9	283	2	2	7692	294			
TOTAL OR AVERAGE	644	11653	22791	10523	4.3	437	551	18	11168	454	535	11217	457
RHODE ISLAND													
AYRSHIRE----	28	131	240	9688	4.1	391	21	4	10547	429	20	10417	423
GUERNSEY----	23	75	175	8842	4.7	415	20	3	9602	439	18	9038	414
HOLSTEIN----	103	350	577	12827	3.8	479	96	3	12419	468	86	12324	465
JERSEY-----	13	21	42	7511	5.2	389					1	8938	486
BROWN SWISS--	2	2	3	12545	4.0	496	1	1	8680	345	1	9756	389
TOTAL OR AVERAGE	169	579	1037	11352	4.0	449	138	3	11698	457	126	11505	450
CONNECTICUT													
AYRSHIRE----	63	629	1463	9028	4.1	371	53	7	9701	396	52	9578	391
GUERNSEY----	144	1674	3806	8608	4.8	409	104	11	9625	441	100	9638	444
HOLSTEIN----	309	7085	13530	12736	3.7	471	275	21	12810	478	267	12845	482
JERSEY-----	69	320	536	8430	5.3	443	40	3	8643	457	39	8932	456
BROWN SWISS--	33	161	278	10540	4.2	445	22	4	10934	470	23	10958	482
M. SHORTHORN--													
TOTAL OR AVERAGE	620	9871	19615	10769	4.2	441	496	15	11371	459	483	11401	461
NEW YORK													
AYRSHIRE----	101	3013	6188	9616	4.1	390	70	16	10275	413	63	10202	411
GUERNSEY----	241	5086	11395	8144	4.8	388	116	8	9101	417	106	9267	431
HOLSTEIN----	673	68085	133202	12140	3.7	442	462	65	12742	467	444	12824	469
JERSEY-----	140	2582	5628	7680	5.3	402	89	8	7932	409	89	8440	428
BROWN SWISS--	82	1241	2157	10775	4.2	448	59	9	11236	465	59	11306	461
M. SHORTHORN--	4	13	14	7985	4.0	314	3	2	7952	293	3	8081	294
TOTAL OR AVERAGE	1241	80020	158584	10552	4.1	423	799	42	11332	448	764	11468	453

TABLE B.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED,
RECORDS FROM THIS STATE ONLY

	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
NEW JERSEY													
AYRSHIRE----	19	33	62	9002	4.3	381	2	2	8994	388	3	9559	386
GUERNSEY----	181	1821	4197	8245	4.8	392	77	3	9289	435	73	9387	420
HOLSTEIN----	461	10660	23287	12125	3.7	445	295	14	12579	469	286	12444	464
JERSEY----	49	276	659	7921	5.3	412	14	4	8956	471	16	9515	461
BROWN SWISS-	79	595	1212	10599	4.2	445	44	4	11047	455	41	11066	463
TOTAL OR AVERAGE	789	13385	29417	10746	4.1	429	432	11	11703	461	419	11644	456
PENNSYLVANIA													
AYRSHIRE----	108	2720	5467	8885	4.2	369	100	22	9253	378	98	9578	392
GUERNSEY----	386	13975	32284	7561	4.8	364	344	31	8665	392	322	8837	403
HOLSTEIN----	820	89789	182501	11537	3.7	425	766	104	11538	430	711	11842	443
JERSEY----	187	4401	9377	7201	5.3	377	140	13	7783	405	136	7996	418
BROWN SWISS-	68	635	1119	9953	4.2	415	42	8	10237	421	41	10126	422
M.SHORTHORN-	9	21	29	7005	3.9	267	8	1	6531	238	7	6048	229
TOTAL OR AVERAGE	1578	111541	230777	9775	4.2	399	1400	68	10225	413	1315	10455	425
OHIO													
AYRSHIRE----	59	813	1528	9259	4.0	372	47	9	9693	363	42	9845	387
GUERNSEY----	172	1772	3777	8107	4.7	381	140	9	9076	406	127	9007	434
HOLSTEIN----	376	14520	26556	12135	3.6	436	337	38	12311	445	310	12395	444
JERSEY----	163	2473	4754	7741	5.3	404	130	12	8167	421	116	8250	429
BROWN SWISS-	94	1369	2366	10744	4.1	443	73	11	10767	441	66	10584	431
M.SHORTHORN-	4	7	10	8228	3.8	315	4	2	8489	326	4	8304	325
TOTAL OR AVERAGE	868	20954	38991	10147	4.2	415	731	23	10639	428	665	10659	434
INDIANA													
AYRSHIRE----	31	97	182	8906	4.1	363	24	3	9021	373	20	9396	373
GUERNSEY----	156	1042	2221	8564	4.9	413	117	6	9290	441	109	9144	437
HOLSTEIN----	334	4254	7681	12656	3.7	462	276	13	12967	476	264	12685	466
JERSEY----	88	341	648	8140	5.2	421	64	3	8251	424	58	8223	423
BROWN SWISS-	58	243	425	10500	4.1	432	40	4	11214	450	40	10645	430
M.SHORTHORN-	4	4	4	9783	3.8	364	3	1	7567	290	2	7412	275
TOTAL OR AVERAGE	671	5981	11161	10736	4.2	438	524	9	11225	454	493	11057	447
ILLINOIS													
AYRSHIRE----	19	59	97	8535	4.2	354	18	3	9266	380	15	9606	390
GUERNSEY----	180	1666	3468	8151	4.8	388	150	8	9302	425	136	9025	413
HOLSTEIN----	443	22363	41257	12408	3.7	456	403	47	12537	463	369	12498	462
JERSEY----	95	684	1238	7912	5.2	409	83	5	8144	423	75	8161	426
BROWN SWISS-	104	1615	2844	10690	4.2	444	92	13	11217	461	80	10977	451
M.SHORTHORN-	25	52	77	8162	3.9	318	18	2	8829	337	14	7413	281
TOTAL OR AVERAGE	866	26439	48981	10616	4.2	429	764	28	11101	446	689	10998	442
MICHIGAN													
AYRSHIRE----	21	63	98	9768	4.1	394	18	3	10604	414	17	10671	426
GUERNSEY----	209	2112	4027	8154	4.8	390	177	9	9311	423	163	9545	433
HOLSTEIN----	508	17428	29619	12216	3.7	446	469	32	12326	452	438	12754	468
JERSEY----	110	921	1742	7804	5.2	405	86	5	7936	409	82	8282	429
BROWN SWISS-	62	277	489	10643	4.1	434	49	3	10897	438	47	11274	454
M.SHORTHORN-	8	12	15	9666	3.9	374	5	1	9775	377	3	9570	338
RED OANE----	2	11	14	9880	4.1	398	2	3	10147	382	2	11329	438
TOTAL OR AVERAGE	920	20824	36004	10577	4.2	426	806	22	11049	439	752	11415	454
WISCONSIN													
AYRSHIRE----	18	79	136	9275	4.2	382	15	4	9051	364	14	9145	369
GUERNSEY----	399	5281	11084	7694	4.8	367	349	12	8347	387	331	8424	395
HOLSTEIN----	741	30345	56868	12037	3.6	434	680	36	12263	446	652	12221	445
JERSEY----	150	867	1736	7425	5.3	393	124	5	7618	401	106	7796	414
BROWN SWISS-	129	1466	2791	10166	4.1	413	112	10	10455	420	103	10446	417
M.SHORTHORN-	26	45	80	9031	4.0	357	21	1	9036	347	20	8291	334
TOTAL OR AVERAGE	1463	38083	72695	10128	4.2	408	1301	24	10525	421	1226	10565	424

TABLE 8.--DAUGHTER-AVERAGE OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED,
RECORDS FROM THIS STATE ONLY

	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRE NO.	DAUGHTERS NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HEMO MILK LB.	AVERAGE FAT LB.
MINNESOTA													
AYRSHIRE----	27	88	131	8791	4.1	361	24	4	9650	385	20	8954	386
GUERNSEY----	253	2102	4404	7670	4.8	368	209	8	8357	392	197	8288	390
HOLSTEIN----	549	19289	39118	12002	3.6	433	477	35	12252	443	457	11983	439
JERSEY-----	114	605	1351	7657	5.3	400	98	4	8097	420	95	8071	414
BROWN SWISS--	94	538	1002	10388	4.0	417	80	5	10650	424	72	10215	415
M.SHORTHORN--	41	103	189	7865	3.9	308	35	2	8464	330	35	7655	303
TOTAL OR AVERAGE	1078	22725	46195	10147	4.1	406	923	21	10579	421	876	10341	416
IOWA													
AYRSHIRE----	59	243	442	9212	4.1	380	55	4	9935	403	45	8906	370
GUERNSEY----	185	1316	2728	7949	4.9	386	143	7	8778	413	125	8672	412
HOLSTEIN----	476	7448	14137	12523	3.7	456	427	15	12678	461	395	12165	456
JERSEY-----	113	487	1067	7372	5.3	389	86	3	7968	415	79	7770	411
BROWN SWISS--	142	1261	2420	10046	4.1	411	121	8	10344	419	119	9851	413
M.SHORTHORN--	56	149	241	7893	3.8	302	45	2	8911	340	36	7474	298
TOTAL OR AVERAGE	1031	10904	21035	10356	4.2	417	877	10	10893	433	799	10444	426
MISSOURI													
AYRSHIRE----	1	1	1	9730	4.6	450							
GUERNSEY----	81	517	1108	7946	4.9	385	67	5	8978	416	62	8866	417
HOLSTEIN----	228	1422	2669	11983	3.7	447	187	6	12011	447	170	11721	439
JERSEY-----	137	1105	2296	7694	5.3	404	108	4	7987	418	104	8023	419
BROWN SWISS--	30	60	106	9639	4.2	405	18	2	9532	395	16	8819	374
M.SHORTHORN--	13	47	71	9388	4.0	375	12	3	9193	369	11	7930	328
TOTAL OR AVERAGE	490	3152	6251	9899	4.4	420	392	5	10184	429	365	9925	423
NORTH DAKOTA													
AYRSHIRE----	2	2	3	6585	4.0	265	2	1	6078	244	1	6791	273
GUERNSEY----	27	52	104	7551	4.9	372	20	2	8814	404	18	8784	405
HOLSTEIN----	128	842	1614	11895	3.7	431	121	6	12045	432	117	11427	406
JERSEY-----	3	4	4	5728	5.9	341	3	1	6843	353			
BROWN SWISS--	36	81	142	9549	4.0	382	29	2	10574	431	18	9621	395
M.SHORTHORN--	2	2	2	8795	4.0	351	2	1	9730	369	2	9064	355
TOTAL OR AVERAGE	198	983	1869	10698	3.9	411	177	5	11257	425	156	10854	403
SOUTH DAKOTA													
AYRSHIRE----	4	5	11	9219	4.5	414	4	1	10473	415	4	9891	408
GUERNSEY----	8	24	52	7468	4.6	344	3	1	8514	394	3	8392	395
HOLSTEIN----	61	173	271	12310	3.6	439	54	2	11898	422	51	11384	419
JERSEY-----	8	9	16	7223	5.7	397	4	1	8285	484	4	8407	461
BROWN SWISS--	25	65	139	10583	4.2	441	9	2	10213	417	7	10464	433
TOTAL OR AVERAGE	106	276	489	11037	4.0	428	74	2	11283	423	69	10901	421
NEBRASKA													
AYRSHIRE----	11	14	32	8335	4.3	358	5	1	7676	339	5	7329	309
GUERNSEY----	62	206	459	8157	5.0	402	48	2	9286	435	44	9166	436
HOLSTEIN----	216	1602	3408	12038	3.7	445	179	6	12244	451	174	11982	442
JERSEY-----	22	87	205	7635	5.2	393	17	3	8070	426	10	8154	428
BROWN SWISS--	58	128	223	10396	4.2	430	48	2	10999	457	37	10298	424
M.SHORTHORN--	8	19	29	6969	3.8	267	5	2	7458	283	6	7718	285
TOTAL OR AVERAGE	377	2056	4356	10675	4.1	426	302	5	11186	443	276	10992	432
KANSAS													
AYRSHIRE----	32	336	588	9034	4.2	380	16	7	9990	407	18	9648	398
GUERNSEY----	49	174	328	7482	5.0	372	13	1	8291	382	10	8396	407
HOLSTEIN----	166	1874	2998	12240	3.7	451	90	7	12598	464	86	12431	457
JERSEY-----	37	111	190	7194	5.3	383	13	3	7462	386	13	7413	387
BROWN SWISS--	45	194	293	9867	4.3	424	21	3	9597	398	20	9588	403
M.SHORTHORN--	14	42	70	7660	3.9	297	9	2	7646	292	9	7810	299
TOTAL OR AVERAGE	343	2731	4467	10219	4.2	416	162	5	10918	427	156	10802	425

TABLE 8.--DAUGHTER-AVERAGE OF SIKES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED,
RECORDS FROM THIS STATE ONLY

	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
DELAWARE													
AYRSHIRE----	43	174	286	8607	4.1	353	43	3	8928	362	41	9140	365
GUERNSEY----	55	347	868	7421	4.8	355	47	6	8655	390	42	8485	388
HOLSTEIN----	141	902	1749	11762	3.7	429	130	6	11655	430	129	11683	432
JERSEY-----	27	162	460	7088	5.4	380	19	6	7535	395	19	7884	411
BROWN SWISS-	10	18	26	10153	4.3	437	5	1	9935	432	8	12371	505
TOTAL OR													
AVERAGE	276	1603	3389	9890	4.2	398	244	5	10241	408	239	10406	414
MARYLAND													
AYRSHIRE----	70	665	1402	8892	4.2	372	61	9	9597	390	60	9522	386
GUERNSEY----	152	1252	2977	7599	4.9	370	120	8	8696	396	111	8740	398
HOLSTEIN----	477	7466	14455	11673	3.7	435	406	16	11444	438	375	11485	441
JERSEY-----	72	545	1257	7798	5.3	412	37	6	7650	394	38	7784	400
BROWN SWISS-	70	249	402	10393	4.3	444	27	2	9820	402	48	10253	408
TOTAL OR													
AVERAGE	841	10177	20493	10267	4.2	417	651	13	10481	422	632	10500	423
VIRGINIA													
AYRSHIRE----	24	42	49	8140	4.2	338	14	2	9651	403	7	8563	359
GUERNSEY----	115	686	1456	7902	4.9	384	47	3	9250	423	44	9328	424
HOLSTEIN----	438	4840	7973	12047	3.7	446	313	8	12750	482	285	12567	473
JERSEY-----	44	251	449	7566	5.3	397	17	4	8719	445	16	8810	449
BROWN SWISS-	29	39	51	10585	4.2	442	12	1	10498	447	13	10850	453
TOTAL OR													
AVERAGE	650	5858	9978	10801	4.1	428	403	7	11997	470	365	11874	464
WEST VIRGINIA													
AYRSHIRE----	20	134	218	8807	4.2	366	12	3	9316	380	12	9381	382
GUERNSEY----	32	164	383	7262	4.8	345	11	3	7623	348	11	7907	361
HOLSTEIN----	217	1086	2071	11298	3.7	414	136	4	11334	414	125	11478	423
JERSEY-----	35	210	448	7061	5.1	359	23	3	7415	373	19	7594	372
BROWN SWISS-	4	6	8	6639	4.4	283	1	2	5325	228			
TOTAL OR													
AVERAGE	308	1600	3128	10175	4.0	396	185	4	10463	402	167	10650	410
NORTH CAROLINA													
AYRSHIRE----	47	134	210	8443	4.0	336	37	3	8624	341	33	8596	340
GUERNSEY----	94	401	868	7887	4.7	368	73	4	8441	379	70	8079	368
HOLSTEIN----	266	3328	6025	11283	3.7	411	243	13	11210	411	238	11373	416
JERSEY-----	64	381	656	7241	5.1	368	49	5	7616	374	50	7567	370
BROWN SWISS-	20	35	53	9624	4.2	398	11	2	8158	337	11	8643	349
TOTAL OR													
AVERAGE	491	4279	7812	9766	4.1	390	413	9	9981	393	402	10023	394
SOUTH CAROLINA													
AYRSHIRE----	2	3	4	8339	4.5	375							
GUERNSEY----	41	316	594	7664	4.7	355	31	5	8193	368	23	7942	350
HOLSTEIN----	86	697	1121	11548	3.6	411	71	8	10955	397	53	10717	388
JERSEY-----	20	62	97	7750	5.1	384	8	3	7637	367	9	8091	395
BROWN SWISS-	12	157	380	11245	3.9	442	10	5	10023	394	10	10382	405
TOTAL OR													
AVERAGE	161	1235	2196	10025	4.1	395	120	7	9943	387	95	9761	381
GEORGIA													
AYRSHIRE----	11	17	34	8375	3.9	328	8	2	9116	354	4	8117	332
GUERNSEY----	42	180	327	6919	4.8	327	39	4	8911	361	38	8354	339
HOLSTEIN----	174	858	1443	11729	3.7	428	153	5	11155	418	141	10742	405
JERSEY-----	58	358	603	7293	5.0	365	39	4	7845	385	39	8176	393
BROWN SWISS-	26	42	60	10029	4.1	405	7	1	11407	444	2	12982	517
TOTAL OR													
AVERAGE	311	1455	2467	9991	4.1	397	246	4	10215	402	224	9863	392

TABLE 8.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED,
RECORDS FROM THIS STATE ONLY

	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRE NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRE NO.	MILK LB.	FAT LB.
FLORIDA													
AYRSHIRE----	8	9	11	8047	4.0	319							
GUERNSEY----	85	270	583	7695	4.6	348	70	3	8388	380	60	8015	367
HOLSTEIN----	106	187	326	10927	3.6	395	90	2	9959	391	75	9348	363
JERSEY-----	87	536	1149	7608	5.1	385	61	5	8105	404	53	7813	390
BROWN SWISS--	15	22	26	10369	4.1	427	4	1	10330	410	3	8785	360
TOTAL OR AVERAGE	301	1024	2095	8951	4.4	378	225	3	8974	391	191	8494	380
KENTUCKY													
AYRSHIRE----	3	5	9	8309	4.0	328	2	2	8102	311	1	8306	326
GUERNSEY----	41	234	446	7311	4.8	345	35	5	8583	382	31	8379	367
HOLSTEIN----	167	2195	4141	11314	3.6	408	156	13	11492	420	137	10911	400
JERSEY-----	53	762	1507	7144	5.2	368	40	9	7686	384	36	7729	389
BROWN SWISS--	27	96	172	9691	4.1	395	23	3	10026	403	20	10097	402
TOTAL OR AVERAGE	291	3292	6275	9809	4.1	390	256	10	10342	407	225	9969	393
TENNESSEE													
AYRSHIRE----	2	2	3	7738	4.2	322							
GUERNSEY----	37	101	174	7469	4.8	355	11	1	8753	415	4	8764	414
HOLSTEIN----	84	283	525	10943	3.7	400							
JERSEY-----	93	621	1364	6954	5.2	359	35	2	8011	409	17	7822	395
BROWN SWISS--	4	4	6	10068	4.2	419							
TOTAL OR AVERAGE	220	1011	2072	8628	4.5	374	46	2	8189	411	21	8001	398
ALABAMA													
AYRSHIRE----	5	6	9	7921	4.0	311	3	1	7505	286	3	7972	302
GUERNSEY----	26	46	116	7358	4.7	344	6	2	7346	327	4	7442	330
HOLSTEIN----	75	107	152	10358	3.5	359	46	1	9293	347	34	9644	369
JERSEY-----	58	187	337	6865	5.0	335	26	2	7668	368	19	8105	372
BROWN SWISS--	7	7	8	8152	4.0	318					2	8055	309
TOTAL OR AVERAGE	171	353	622	8555	4.2	346	81	2	8561	350	62	8898	362
MISSISSIPPI													
AYRSHIRE----	6	8	10	7960	4.0	322	3	1	6347	260	2	7935	341
GUERNSEY----	54	88	170	7207	4.6	335	40	2	7889	365	26	7191	328
HOLSTEIN----	35	60	103	10416	3.6	373	35	2	10096	382	23	9307	359
JERSEY-----	76	370	672	6671	5.2	341	61	3	7107	356	48	6839	341
BROWN SWISS--	5	6	14	10451	4.0	418							
TOTAL OR AVERAGE	176	532	969	7731	4.6	347	139	2	8068	363	101	7520	341
ARKANSAS													
AYRSHIRE----	1	1	1	6730	4.2	281	1	1	9350	376			
GUERNSEY----	25	44	63	7898	4.6	361	6	1	8647	387	2	6031	385
HOLSTEIN----	26	39	52	10839	3.6	384	23	1	9489	347	7	10292	390
JERSEY-----	28	72	147	6719	5.3	354	14	2	7155	374	3	6936	374
BROWN SWISS--	4	7	14	9575	4.3	402							
M. SHORTHORN--	5	12	12	6946	3.7	253	5	2	7183	293	3	9505	375
TOTAL OR AVERAGE	89	175	289	8395	4.4	361	49	2	8481	355	15	8695	383
LOUISIANA													
GUERNSEY----	28	79	204	6533	4.6	302	23	2	7093	333	20	6403	302
HOLSTEIN----	40	86	183	10762	3.6	392	29	2	9885	369	25	9236	343
JERSEY-----	43	167	298	6342	5.2	328	27	3	7112	360	16	6167	310
BROWN SWISS--	5	7	18	8949	4.1	360							
TOTAL OR AVERAGE	116	339	703	8024	4.5	345	79	2	8124	355	61	7502	321

TABLE 8.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED,
RECORDS FROM THIS STATE ONLY

	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
OKLAHOMA													
AYRSHIRE----	18	32	43	8904	4.2	376	8	1	9194	369	7	8853	354
GUERNSEY----	17	31	60	7766	4.9	376	9	1	8248	398	5	8337	388
HOLSTEIN----	62	193	315	12783	3.7	474	53	3	12320	450	49	11997	444
JERSEY-----	34	68	110	7040	5.1	357	14	1	7004	371	9	7230	370
BROWN SWISS-	15	17	22	9429	4.1	385	5	1	9649	393	4	10031	410
M.SHORTHORN-	3	7	12	6989	4.0	280	2	2	5770	218	2	4949	191
TOTAL OR AVERAGE	149	348	562	9977	4.3	412	91	2	10534	418	76	10613	415
TEXAS													
AYRSHIRE----	5	5	9	9723	3.9	384	1	1	5640	209	1	10083	425
GUERNSEY----	23	108	241	8101	4.7	379	17	4	9205	406	12	8430	374
HOLSTEIN----	182	618	1110	12542	3.6	451	157	3	12398	450	129	11122	413
JERSEY-----	86	485	994	7442	5.1	380	62	4	7856	393	37	7653	366
BROWN SWISS-	33	42	44	9413	3.9	366	26	1	9525	370	17	8395	330
M.SHORTHORN-	2	2	2	8280	4.6	377							
TOTAL OR AVERAGE	331	1260	2400	10528	4.1	418	263	3	10811	425	196	10060	395
MONTANA													
GUERNSEY----	13	28	83	7309	5.0	357	12	2	9028	415	7	9217	421
HOLSTEIN----	47	393	808	12595	3.6	447	44	8	13076	463	32	12696	443
JERSEY-----	12	57	147	7900	5.5	429	10	3	7648	421	8	7928	428
BROWN SWISS-	14	22	34	10918	4.3	465	10	2	10187	416	5	10578	421
TOTAL OR AVERAGE	86	500	1072	10868	4.2	434	76	6	11343	444	50	11319	436
IDAHO													
AYRSHIRE----	2	2	2	8675	3.6	311	1	1	8630	331	1	7358	290
GUERNSEY----	58	199	441	8798	4.8	418	51	3	9360	445	47	8868	416
HOLSTEIN----	122	1166	1866	13112	3.7	475	113	9	13277	484	105	12615	460
JERSEY-----	57	281	531	7852	5.4	417	50	4	8113	433	47	8195	431
BROWN SWISS-	23	34	68	10182	4.2	430	10	1	10360	438	15	10231	433
M.SHORTHORN-	2	4	6	7746	3.8	295	2	1	8970	339	2	8105	296
TOTAL OR AVERAGE	264	1686	2914	10699	4.3	443	233	6	11054	459	217	10616	440
WYOMING													
AYRSHIRE----	1	1	1	7620	3.8	292							
GUERNSEY----	2	3	4	9708	4.1	381	1	1	16045	604	1	12660	453
HOLSTEIN----	28	139	246	12428	3.5	432	26	5	12601	434	15	10876	379
JERSEY-----	2	3	6	6150	5.0	303	2	1	6930	358	2	7170	343
BROWN SWISS-	2	2	8	9195	4.1	372	2	1	9947	407	1	6431	265
TOTAL OR AVERAGE	35	148	265	11592	3.6	414	31	4	12175	433	19	10345	373
COLORADO													
AYRSHIRE----	9	10	16	10166	4.1	419	1	1	6960	298			
GUERNSEY----	23	103	198	8430	4.8	403	16	3	9777	450	11	9047	425
HOLSTEIN----	91	319	558	13162	3.6	472	72	3	13175	478	54	12234	448
JERSEY-----	27	58	126	8136	5.3	423	22	1	7813	396	18	9387	446
BROWN SWISS-	33	84	120	11247	4.1	463	22	2	10842	443	14	10521	428
M.SHORTHORN-	1	1	1	4620	3.8	174	1	1	10960	423			
TOTAL OR AVERAGE	184	575	1019	11296	4.1	451	134	3	11443	454	97	11097	442
NEW MEXICO													
GUERNSEY----	27	33	83	9150	4.8	444	17	1	9367	445	15	9459	448
HOLSTEIN----	10	11	16	13162	3.7	484	5	1	12456	456	2	10906	387
JERSEY-----	10	27	58	8243	5.1	415	8	1	7953	407	5	7347	352
BROWN SWISS-	2	2	2	10760	4.3	456							
TOTAL OR AVERAGE	49	73	159	9850	4.6	447	30	1	9505	437	20	9287	427
ARIZONA													
GUERNSEY----	9	26	52	10563	4.7	490	6	2	11202	545	5	9424	455
HOLSTEIN----	77	293	579	13111	3.6	464	63	4	13667	481	50	13000	466
JERSEY-----	10	45	118	7850	5.2	409	7	2	8645	438	6	8824	449
BROWN SWISS-	5	5	7	13914	3.8	528	4	1	13333	524			
TOTAL OR AVERAGE	101	369	756	12403	3.8	464	80	3	13026	484	69	12378	464

TABLE 6.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED,
RECORDS FROM THIS STATE ONLY

	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIREs DAUS. NO. NO.	MILK LB.	FAT LB.	YEARLY HERD AVERAGE SIREs MILK FAT NO. LB. LB.
UTAH										
AYRSHIRE----	2	3	3	9053	4.1	374	2	2	9840	382
GUERNSEY----	17	68	157	8089	4.8	384	15	4	9357	409
HOLSTEIN----	113	2128	3806	12857	3.6	465	113	18	12910	470
JERSEY----	33	293	545	7717	5.2	404	30	7	8036	414
BROWN SWISS--	4	5	11	10344	4.1	422	2	2	12783	498
M. SHORTHORN--	1	1	1	9930	3.9	383				
TOTAL OR AVERAGE	170	2498	4523	11261	4.1	443	162	14	11639	453
NEVADA										
GUERNSEY----	2	2	2	6075	5.1	312				
HOLSTEIN----	8	10	16	13992	3.5	486	7	1	13760	474
JERSEY----	10	12	14	8488	5.2	448	9	1	9214	485
TOTAL OR AVERAGE	20	24	32	10448	4.5	450	16	1	11203	480
WASHINGTON										
AYRSHIRE----	9	11	12	8657	4.0	350	9	1	9308	383
GUERNSEY----	113	1347	3047	8918	4.9	434	97	12	9449	443
HOLSTEIN----	166	3939	7351	13287	3.7	487	158	23	13511	499
JERSEY----	99	1455	3173	8566	5.5	465	85	11	8670	463
BROWN SWISS--	20	45	74	11449	4.2	478	17	2	11658	472
M. SHORTHORN--	10	21	35	10055	4.0	398	5	2	9202	352
TOTAL OR AVERAGE	417	6818	13692	10717	4.5	462	371	16	11095	470
OREGON										
AYRSHIRE----	4	4	4	11033	4.2	462	4	1	11665	444
GUERNSEY----	70	807	1710	8657	4.9	419	61	12	9586	443
HOLSTEIN----	111	1593	2806	13050	3.7	477	102	14	12554	473
JERSEY----	69	1801	3793	8615	5.4	462	60	18	8882	476
BROWN SWISS--	16	49	67	10764	4.3	467	12	3	11456	470
M. SHORTHORN--	2	3	3	11800	3.6	419				
TOTAL OR AVERAGE	272	4257	8383	10621	4.5	457	239	14	10805	465
CALIFORNIA										
AYRSHIRE----	4	5	7	9864	3.9	390				
GUERNSEY----	72	322	512	8454	4.9	412	26	3	9325	443
HOLSTEIN----	114	1243	1769	14692	3.6	532	85	6	14791	542
JERSEY----	32	160	232	8804	5.4	470	11	2	8448	443
BROWN SWISS--	12	24	42	10910	4.4	474	1	1	14683	602
TOTAL OR AVERAGE	234	1754	2562	11691	4.3	481	123	5	13067	512
PUERTO RICO										
HOLSTEIN----	2	3	3	7063	3.5	241	1	2	7785	262
TOTAL OR AVERAGE	2	3	3	7063	3.5	241	1	2	7785	262
HAWAII										
GUERNSEY----	1	1	1	6470	5.1	329				
HOLSTEIN----	5	6	8	10890	3.4	379	5	1	11131	365
TOTAL OR AVERAGE	6	7	9	10153	3.7	371	5	1	11131	365
ALASKA										
HOLSTEIN----	3	10	28	13567	3.7	500	3	3	12433	480
RED DANE----	1	1	2	8495	4.4	368				
TOTAL OR AVERAGE	4	11	30	12299	3.9	467	3	3	12433	480

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS				305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
		NO.	MILK LB.	TEST PCT.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1948	2	7650	4.3	330	1	8840	373				
	1949	7	7506	4.4	326							
	1950	25	9910	4.2	414	1	7270	338				
	1951	35	8327	4.1	341	6	7875	326				
	1952	33	8131	4.1	329	10	7922	331				
	1953	35	8479	4.2	358	26	8596	362		26	7986	330
	1954	48	8919	4.2	371	45	8997	373		44	8800	367
	1955	39	8457	4.1	348	39	9099	370		29	8958	368
	1956	53	8695	4.1	363	50	9169	370		34	9406	372
	1957	48	9550	4.0	387	43	9378	376		33	9322	376
	1958	60	9158	4.1	375	44	9330	377		39	9313	376
	1959	75	9532	4.1	394	72	9391	383		71	9606	392
	1960	23	9012	4.2	379	22	9672	390		21	10524	432
GUERNSEY----	1947	302	7062	4.9	347	1	7980	420				
	1948	128	7321	4.9	359	6	9387	433				
	1949	178	7783	4.9	379	20	8482	403				
	1950	266	7586	4.9	366	55	8403	404				
	1951	347	7459	4.9	364	116	8188	367				
	1952	477	7508	4.9	369	236	8202	387				
	1953	559	7471	4.9	368	449	8136	385		368	8221	388
	1954	648	7547	4.9	372	621	8184	386		555	8114	387
	1955	599	7679	4.9	375	578	8574	400		542	8622	406
	1956	477	7920	4.9	388	449	9074	422		413	8902	418
	1957	325	8187	4.9	401	295	9507	443		280	9056	425
	1958	282	8359	4.9	411	233	9227	427		226	9256	433
	1959	349	8646	4.8	418	321	9278	426		294	9653	444
	1960	68	8908	4.7	422	59	9316	429		25	9896	462
HOLSTEIN----	1947	620	10911	3.6	393	35	12145	433				
	1948	348	11055	3.6	402	39	12525	459				
	1949	397	11278	3.7	413	53	12368	468				
	1950	500	11339	3.7	421	125	11865	453				
	1951	563	10944	3.7	405	197	11506	436				
	1952	693	10954	3.8	411	365	11095	421				
	1953	966	10769	3.8	405	752	10778	413		566	10383	399
	1954	1288	10997	3.6	414	1185	10961	421		1120	10422	404
	1955	1409	11470	3.8	436	1328	11485	445		1225	10824	419
	1956	1399	11628	3.8	441	1266	11783	456		1204	11230	439
	1957	1341	11863	3.8	447	1175	12115	465		1100	11432	445
	1958	1642	12492	3.8	472	1401	12393	478		1323	12091	466
	1959	2001	12439	3.8	469	1939	12023	464		1816	12343	477
	1960	504	12353	3.8	462	465	11907	455		239	12684	489
JERSEY-----	1947	212	6968	5.2	365	2	6585	350				
	1948	126	7439	5.2	386	7	7797	380				
	1949	175	7569	5.2	395	14	8194	436				
	1950	204	7603	5.2	396	26	8104	442				
	1951	256	7572	5.3	398	55	7693	413				
	1952	292	7555	5.2	392	73	8009	423				
	1953	356	7464	5.3	391	116	7540	396		97	7863	413
	1954	393	7538	5.3	396	147	7790	411		138	7740	408
	1955	394	7573	5.2	396	155	7837	407		139	7782	405
	1956	341	7797	5.2	406	162	8118	422		144	7941	412
	1957	252	7907	5.2	407	104	8003	415		86	7982	416
	1958	415	8464	5.2	438	160	8409	435		182	8704	451
	1959	574	8244	5.2	427	335	8434	438		352	8916	455
	1960	133	7744	5.2	397	62	7933	405		59	9112	455
BROWN SWISS--	1955	4	8005	4.1	332							
	1956	2	11010	4.1	448							
	1957	4	10303	4.6	472							
	1958	5	11558	4.0	462							
	1959	12	11507	4.3	484							
	1960	5	9738	4.3	424							
M. SHORTHORN--	1947	1	11910	4.0	473							
	1948	1	7100	3.8	269							
	1949	3	7820	4.0	311	1	9670	353				
	1950	4	7545	4.0	302	2	9800	360				
	1951	2	6700	4.2	282	1	8390	330				
	1952	1	8170	3.7	306							
	1953	1	8090	4.1	329	1	7940	306		1	7499	289
	1954	1	7200	3.6	260	1	6170	242		1	5188	203
	1955	4	8358	3.9	317	2	6590	243		2	6747	244
	1956	6	7762	3.8	290	3	6217	276		4	7619	297
	1957	7	8330	3.8	318	5	8720	338		5	8886	341
	1958	10	8357	3.7	311	3	11470	414		3	9944	377
	1959	15	8363	3.8	311	6	9280	360		9	9938	380
	1960	2	7980	3.9	304	1	5510	239				
ALL BREEDS--	1947	1135	9151	4.3	375	38	11743	428				
	1948	605	9494	4.2	389	53	11476	444				
	1949	760	9557	4.3	400	88	10790	447				
	1950	999	9526	4.3	401	209	10445	437				
	1951	1203	9138	4.4	390	375	9854	415				
	1952	1496	9127	4.4	392	684	9721	408				
	1953	1917	9150	4.4	391	1344	9572	401		1058	9338	395
	1954	2378	9442	4.4	399	1999	9819	408		1858	9492	398
	1955	2449	9857	4.3	413	2102	10367	428		1937	9957	414
	1956	2278	10204	4.3	422	1950	10779	443		1799	10390	431
	1957	1977	10662	4.1	433	1622	11294	455		1504	10737	438
	1958	2414	11215	4.2	456	1841	11571	465		1775	11315	458
	1959	3026	11109	4.2	453	2673	11167	453		2542	11472	467
	1960	735	11066	4.1	443	609	11160	445		344	11737	478

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1947	11	9506	4.3	414						
	1948	4	7335	4.1	368						
	1949	23	9567	4.2	399	4	8118	344			
	1950	66	8755	4.2	363	13	9002	371			
	1951	76	8971	4.1	368	26	9231	369			
	1952	109	8630	4.1	354	50	8956	365			
	1953	138	9085	4.1	375	93	9083	378	86	8770	363
	1954	163	8840	4.1	365	168	8958	372	96	8755	365
	1955	184	8845	4.2	368	136	9031	377	117	8666	356
	1956	152	9106	4.1	372	129	9311	380	125	8955	370
	1957	120	9593	4.1	393	109	9773	402	104	9458	387
	1958	116	10240	4.1	416	107	10186	417	103	9969	407
	1959	191	9837	4.1	403	185	9791	401	181	10080	411
	1960	47	9313	4.1	379	45	8834	363	34	10079	414
GUERNSEY----	1947	3	5630	4.9	277	2	8235	316			
	1948	9	6727	5.0	337	1	9540	399			
	1949	21	7864	5.1	397	2	9535	408			
	1950	37	7792	4.9	379	4	8503	394			
	1951	50	7515	4.9	363	14	7789	366			
	1952	118	8015	4.8	382	43	8854	396			
	1953	150	7986	4.7	371	166	8404	373	96	8307	376
	1954	164	7926	4.6	367	131	8649	377	115	8455	376
	1955	178	8097	4.7	382	141	8979	395	136	8748	385
	1956	169	8152	4.7	383	140	9247	405	141	8891	391
	1957	127	8118	4.6	376	97	9900	428	96	9458	407
	1958	92	8506	4.6	392	58	9753	423	52	9753	426
	1959	98	8789	4.6	402	87	9257	407	81	9353	417
	1960	20	8238	4.4	361	19	10019	496	14	10197	425
HOLSTEIN----	1947	24	9557	3.6	346						
	1948	23	11230	3.7	415	2	11205	399			
	1949	48	11102	3.6	403	6	12403	440			
	1950	92	10681	3.7	397	29	11554	418			
	1951	163	10444	3.7	389	62	10777	396			
	1952	245	11183	3.7	412	130	11572	427			
	1953	372	11149	3.7	415	269	11242	417	261	10882	406
	1954	557	10917	3.7	407	468	11107	416	414	10779	404
	1955	760	11092	3.8	422	646	11236	427	575	10900	406
	1956	749	11199	3.8	425	652	11536	438	607	11014	421
	1957	716	11710	3.8	444	613	12032	459	609	11322	433
	1958	981	12122	3.9	466	853	12070	464	780	11953	459
	1959	1283	12254	3.9	473	1251	12105	469	1217	12680	468
	1960	246	11839	3.8	454	232	11545	454	192	11992	469
JERSEY-----	1947	1	6610	5.3	352						
	1948	9	7557	5.2	386	2	7690	409			
	1949	21	8196	5.1	414	6	7237	363			
	1950	37	7957	5.1	405	11	7465	379			
	1951	73	7783	5.2	399	24	7626	387			
	1952	119	7803	5.2	404	41	7899	400			
	1953	150	7951	5.2	412	70	7880	403	58	7738	400
	1954	165	7702	5.2	399	74	7845	409	72	7816	404
	1955	156	7846	5.2	404	83	7719	397	77	7681	388
	1956	120	8040	5.2	419	57	8114	427	49	7606	402
	1957	92	8203	5.3	434	46	9016	476	45	8012	423
	1958	161	8650	5.2	448	71	8820	465	73	8883	467
	1959	132	8644	5.2	453	77	8710	460	95	8943	465
	1960	29	8846	5.3	463	15	8925	457	14	9283	458
BROWN SWISS--	1951	1	8140	3.8	310						
	1952	1	13470	4.6	622						
	1953	5	10158	3.9	394	2	11210	441	2	10671	405
	1954	3	8687	3.8	329	2	7410	292	1	7957	324
	1955	13	9677	4.0	394	7	9597	387	6	9634	389
	1956	18	8181	4.1	341	9	9126	377	7	8687	356
	1957	19	8642	4.1	355	17	8928	364	15	9385	387
	1958	13	9678	4.2	411	7	9739	399	5	8742	354
	1959	8	10010	4.0	397	4	9260	351	8	10346	399
	1960	4	11055	4.1	447	2	9720	372	4	10933	426
M. SHORTHORN--	1956	1	7980	4.0	318						
	1957	4	9923	4.2	414	3	15027	369	3	10606	397
	1958	4	8523	3.5	305	1	10210	346	1	10638	389
	1959	3	5937	3.6	216	2	9525	373	2	9118	359
	1960	1	7260	3.7	266				1	9167	344
ALL BREEDS--	1947	39	9165	4.0	360	2	8235	316			
	1948	45	9249	4.3	384	5	9466	403			
	1949	113	9648	4.3	403	18	9410	389			
	1950	232	9238	4.3	385	57	9987	398			
	1951	363	9190	4.3	383	126	9526	385			
	1952	592	9406	4.3	394	264	10063	406			
	1953	815	9623	4.2	399	560	9926	401	503	9666	392
	1954	1052	9618	4.2	393	783	10082	402	696	9812	394
	1955	1291	9952	4.2	406	1015	10324	413	913	10008	395
	1956	1209	10149	4.1	411	987	10701	424	929	10217	408
	1957	1078	10691	4.1	427	885	11314	448	872	10691	423
	1958	1367	11277	4.1	454	1097	11537	457	1014	11401	452
	1959	1715	11488	4.0	459	1606	11511	457	1584	11512	458
	1960	347	11017	4.0	438	313	10926	443	259	11470	458

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTER, OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1947	31	8315	4.3	357						
	1948	19	8480	4.1	350						
	1949	31	9038	4.2	380						
	1950	42	8852	4.2	367	2	11525	505			
	1951	59	9269	4.0	373	2	10020	397			
	1952	84	9509	4.0	383	4	11313	476			
	1953	121	9137	4.1	373	6	10322	408	4	8739	358
	1954	207	8747	4.1	355	21	9636	386	11	9627	382
	1955	240	8959	4.1	366	17	9694	393	15	8980	368
	1956	248	9100	4.1	372	43	9294	372	34	9120	377
	1957	216	9868	4.1	401	74	10481	421	64	9252	376
	1958	192	9775	4.1	400	125	9756	400	109	9626	389
	1959	253	9913	4.1	405	239	9892	398	244	10161	410
	1960	50	10445	4.2	425	47	9961	404	36	10350	421
GUERNSEY----	1947	64	6901	4.7	322						
	1948	28	7491	4.6	340						
	1949	28	7691	4.5	345						
	1950	26	7989	4.6	369						
	1951	70	7744	4.8	368	2	8400	395			
	1952	141	7924	4.8	378	2	7725	391			
	1953	210	8028	4.8	385	2	8910	447	5	8703	429
	1954	269	7601	4.7	359	6	8106	402	8	8543	413
	1955	262	7838	4.8	371	17	8236	404	15	8347	397
	1956	258	7905	4.7	372	35	8157	377	25	8458	399
	1957	183	8291	4.7	394	56	9117	422	46	9219	410
	1958	153	8279	4.8	397	79	8346	389	75	8761	403
	1959	124	8660	4.6	399	108	9157	407	99	9221	412
	1960	22	7661	4.9	378	19	8517	395	16	9006	413
HOLSTEIN----	1947	39	10204	3.8	391						
	1948	51	10213	3.8	382						
	1949	87	10497	3.7	386						
	1950	162	10501	3.7	383						
	1951	289	10981	3.7	404						
	1952	473	10993	3.7	408	4	11866	413			
	1953	635	11173	3.7	416	8	12085	442	6	11981	440
	1954	932	10836	3.7	398	19	12446	457	17	11626	428
	1955	1217	11099	3.7	413	42	11991	445	51	11330	427
	1956	1343	11211	3.7	415	94	12222	456	167	11320	426
	1957	1356	11767	3.8	439	289	12132	449	247	11038	426
	1958	1193	12286	3.8	462	713	12515	471	661	12156	455
	1959	1712	12317	3.8	469	1635	12258	464	1604	12519	474
	1960	324	12114	3.8	454	276	12183	455	235	12232	459
JERSEY-----	1947	24	6500	5.2	337						
	1948	21	6869	5.3	358						
	1949	27	7668	5.1	393						
	1950	75	7227	5.2	374						
	1951	177	7317	5.2	380						
	1952	334	7590	5.3	398	1	12030	617			
	1953	461	7700	5.3	408	5	8456	446	6	8073	419
	1954	581	7375	5.2	385	6	8123	457	6	8068	432
	1955	542	7503	5.2	309	17	8395	418	19	8205	405
	1956	474	7501	5.2	367	22	8481	439	35	8201	413
	1957	422	7987	5.2	415	63	8203	432	78	8344	419
	1958	499	8307	5.2	433	231	8592	453	247	8491	441
	1959	760	8347	5.3	436	501	8290	433	551	8665	444
	1960	222	8075	5.3	424	168	8440	459	134	8746	450
BROWN SWISS--	1948	1	8040	4.1	329						
	1949	1	9010	4.4	396						
	1950	1	10620	4.3	462	1	11320	445			
	1951	2	9380	4.3	397						
	1952	1	11660	4.7	547	1	13000	526			
	1953	16	10167	4.2	424						
	1954	19	9749	4.3	411	2	10676	433	1	8426	375
	1955	27	9986	4.1	410	3	10917	430	4	9137	382
	1956	34	9596	4.1	395	3	10467	435	3	10050	412
	1957	42	10296	4.2	432	6	10838	468	5	9932	416
	1958	63	10552	4.2	441	15	10913	453	17	9883	402
	1959	76	10838	4.2	458	35	10557	441	37	10098	425
	1960	23	10825	4.0	437	12	9255	386	16	9623	398
M. SHORT HORN--	1956	1	11680	3.7	428	1	11540	446	1	0404	317
	1957	1	13520	3.5	471	1	11870	462	1	9516	352
	1958	1	8400	4.3	359						
ALL BREEDS--	1947	158	7933	4.5	348						
	1948	120	8700	4.5	363						
	1949	174	9338	4.1	380						
	1950	306	9259	4.2	378	3	11457	485			
	1951	597	9341	4.3	390	4	9210	396			
	1952	1033	9354	4.4	399	12	11100	457			
	1953	1443	9424	4.4	405	21	10415	454	21	9466	416
	1954	2008	9176	4.3	385	56	10246	422	43	9970	413
	1955	2288	9636	4.2	397	96	10249	423	104	9906	408
	1956	2358	9858	4.2	400	198	10422	422	205	10041	412
	1957	2220	10550	4.2	427	469	11014	439	443	10093	416
	1958	2101	10766	4.2	444	1163	11135	454	1109	10227	441
	1959	2925	10684	4.3	452	2518	11087	449	2535	11290	458
	1960	641	10386	4.4	438	522	10578	441	437	11794	449

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1947	3	9887	4.2	419						
	1948	6	9660	4.2	401						
	1949	9	9380	4.3	394	1	10670	444			
	1950	41	9546	4.2	399	9	9140	369			
	1951	83	8607	4.2	361	26	9933	405			
	1952	132	8754	4.2	368	70	9261	380			
	1953	185	8832	4.2	370	154	9069	371	135	9023	371
	1954	247	8842	4.2	371	222	9216	381	206	9158	377
	1955	257	9148	4.2	381	231	9170	377	219	9074	374
	1956	194	9592	4.2	396	174	10039	413	154	9719	403
	1957	154	10069	4.1	417	142	10426	431	126	10350	428
	1958	209	9916	4.2	414	192	10125	422	184	10366	429
	1959	274	9650	4.2	404	268	9847	408	255	10029	413
	1960	65	9834	4.1	406	50	10153	416	58	10262	420
GUERNSEY----	1947	8	8888	4.6	410						
	1948	7	8599	4.8	411	1	9190	415			
	1949	27	8360	4.8	400	9	9114	445			
	1950	112	8636	4.8	413	33	9667	444			
	1951	229	8061	4.7	382	105	9205	417			
	1952	369	7969	4.8	381	243	8924	404			
	1953	479	7930	4.8	379	434	8963	401	406	9901	401
	1954	521	7945	4.8	379	489	9081	407	458	9069	410
	1955	576	8013	4.8	383	544	9226	413	517	9056	408
	1956	465	8252	4.8	396	431	9699	434	410	9127	411
	1957	355	8394	4.6	400	330	9854	442	318	9463	424
	1958	299	8862	4.8	426	261	9673	437	235	9578	440
	1959	298	8755	4.8	422	280	9417	434	252	9615	442
	1960	53	8782	4.7	413	48	8759	396	43	9724	447
HOLSTEIN----	1947	70	10764	3.7	407	7	10973	395			
	1948	43	12148	3.6	442	9	12540	453			
	1949	59	12626	3.7	464	18	12615	466			
	1950	231	11951	3.7	441	65	11921	449			
	1951	471	11387	3.7	419	241	11388	432			
	1952	815	11618	3.7	429	568	11676	437			
	1953	1248	11538	3.7	427	1176	11489	429	1073	11505	431
	1954	1587	11530	3.7	426	1526	11505	429	1428	11592	436
	1955	1808	11580	3.7	429	1731	11667	435	1591	11368	426
	1956	1697	12195	3.7	450	1635	12424	462	1564	12139	457
	1957	1664	12630	3.7	466	1560	12671	474	1442	12605	476
	1958	2098	12897	3.8	485	1970	12560	477	1742	13009	490
	1959	2637	12863	3.8	486	2568	12555	476	2368	13024	494
	1960	475	12085	3.8	455	431	12074	458	413	13242	504
JERSEY-----	1947	13	6910	5.2	356						
	1948	8	7186	5.3	383						
	1949	18	7883	5.3	417	5	8772	459			
	1950	61	8206	5.3	429	14	8482	468			
	1951	96	7986	5.3	418	27	8279	446			
	1952	139	7886	5.3	411	49	7926	416			
	1953	195	7787	5.3	409	83	7844	413	80	7978	421
	1954	187	7799	5.2	407	69	7989	420	64	8118	430
	1955	165	7895	5.2	410	50	8306	437	48	8447	447
	1956	111	7937	5.1	406	42	8091	421	40	8057	418
	1957	95	8240	5.1	421	38	8914	466	40	8569	432
	1958	207	8380	5.3	442	85	8664	466	103	9057	473
	1959	239	8169	5.3	427	129	8235	431	177	8947	451
	1960	59	8677	5.3	461	39	8958	464	42	9022	454
BROWN SWISS--	1949	1	9450	4.4	412						
	1950	1	15530	4.3	665						
	1951	6	12280	4.4	539						
	1952	18	11304	4.5	503	5	12672	528			
	1953	41	11757	4.2	487	14	11178	473	7	10914	453
	1954	58	11878	4.3	508	18	11659	485	10	11275	479
	1955	74	11644	4.2	483	31	10972	456	29	10787	443
	1956	70	10144	4.2	424	31	10907	449	26	10839	448
	1957	65	10910	4.2	462	20	11654	462	20	12084	492
	1958	155	11598	4.2	483	55	10579	449	55	11073	461
M. SHORTHORN--	1955	2	5895	3.7	220	2	5850	212			
	1957	1	11630	3.7	435	1	8560	357			
	1959	1	6670	4.1	274	1	8630	327			
ALL BREEDS--	1947	94	10192	4.0	401	7	10973	395			
	1948	64	10906	4.0	427	10	12205	449			
	1949	114	10582	4.3	435	33	11128	459			
	1950	446	10393	4.2	429	141	10875	444			
	1951	885	9903	4.2	405	401	10505	427			
	1952	1473	10091	4.2	411	935	10589	424			
	1953	2148	10164	4.1	411	1861	10534	417	1701	10518	419
	1954	2600	10296	4.1	412	2324	10673	420	2160	10731	425
	1955	2882	10437	4.1	416	2569	10853	426	2404	10596	418
	1956	2537	11030	4.0	433	2313	11638	452	2194	11321	444
	1957	2334	11590	4.0	450	2091	11994	466	1946	11857	464
	1958	2968	11898	4.0	471	2561	11914	468	2317	12233	479
	1959	3563	11893	4.0	470	3313	11848	464	3131	12186	479
	1960	683	11163	4.0	443	587	11248	443	582	12175	482

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1947	1	11280	4.1	462						
	1948	1	11590	4.1	477						
	1949	2	11920	3.9	474						
	1950	2	11665	3.8	439						
	1951	2	10355	3.9	416						
	1952	11	10804	4.2	453						
	1953	21	10585	4.2	439	7	11969	516			
	1954	24	9994	4.1	411	8	11494	472	5	10896	449
	1955	39	10354	4.2	429	18	11283	479	16	10677	460
	1956	23	10377	4.2	432	7	10013	426	8	10283	444
	1957	20	11538	4.0	465	11	11509	480	11	10693	428
	1958	26	10374	4.1	420	21	10329	419	9	9978	416
	1959	55	9660	4.0	385	54	10098	405	55	10510	419
	1960	13	10981	4.1	451	10	10566	436	8	10549	437
GUERNSEY----	1951	7	8449	5.0	422	2	7790	385			
	1952	16	7761	5.0	388	5	7174	351			
	1953	26	8009	4.9	389	17	8745	408	13	7806	370
	1954	36	8517	4.8	409	26	9562	433	23	8993	416
	1955	25	8524	4.8	410	23	9373	425	20	9050	411
	1956	24	8440	4.8	410	14	9946	451	10	8536	395
	1957	19	8769	4.8	413	15	9488	444	14	8480	406
	1958	11	9109	4.9	441	8	8211	362	6	9093	413
	1959	11	10016	4.7	470	11	8858	405	7	8655	391
HOLSTEIN----	1947	4	11093	3.9	439						
	1948	10	11554	3.8	447						
	1949	12	11437	3.9	442	2	10060	370			
	1950	19	13722	3.8	514	5	15266	538			
	1951	15	13380	3.9	513	3	14647	519			
	1952	19	12696	3.8	482	12	12997	476			
	1953	22	13345	3.8	499	16	12236	479	11	11575	434
	1954	38	12062	3.8	459	35	11241	439	35	11142	427
	1955	41	12520	3.7	457	38	11573	439	35	11060	418
	1956	28	13577	3.6	486	28	12959	471	27	12716	469
	1957	41	13168	3.8	497	39	13273	499	37	12408	460
	1958	114	13585	3.8	510	101	13063	493	74	13168	499
	1959	173	13240	3.8	498	171	12752	481	135	12896	490
	1960	41	12262	3.7	458	36	12146	458	32	12466	473
JERSEY-----	1947	2	8740	5.5	478						
	1948	1	7350	5.5	406						
	1949	2	8145	5.4	440						
	1950	3	6367	5.5	367						
	1951	1	11360	5.6	642						
	1952	4	8618	5.1	430						
	1953	7	7393	5.6	416						
	1954	5	8728	5.4	467						
	1955	6	8352	5.3	440						
	1956	4	6220	5.1	316						
	1957	2	10865	5.0	533						
	1959	3	7803	5.2	406				1	8938	486
	1960	2	8150	5.0	408						
BROWN SWISS--	1958	2	12180	3.9	480						
	1959	1	12910	4.0	511	1	8680	345	1	9756	389
ALL BREEDS--	1947	7	10447	4.4	453						
	1948	12	11207	4.0	446						
	1949	16	11086	4.1	445	2	10060	370			
	1950	24	12631	4.0	489	5	15266	538			
	1951	25	11676	4.3	485	5	11904	465			
	1952	50	10374	4.4	441	17	11284	439			
	1953	76	10208	4.4	437	40	10706	455	24	9534	400
	1954	103	10179	4.3	431	69	10638	440	63	10338	425
	1955	111	10633	4.2	436	79	10866	444	71	10407	425
	1956	79	10712	4.2	438	49	11678	459	45	11354	448
	1957	82	11695	4.1	471	65	12101	483	62	11217	442
	1958	153	12699	3.9	489	130	12322	473	89	12571	485
	1959	243	12215	3.9	470	237	11949	459	199	12052	466
	1960	56	11818	3.9	454	46	11803	453	40	12082	466

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1947	140	9534	4.1	388	10	9975	395			
	1948	56	9646	4.1	375	7	10316	402			
	1949	61	9903	4.2	411	16	9374	391			
	1950	70	9990	4.1	411	16	8672	361			
	1951	83	9970	4.1	408	25	9971	403			
	1952	93	9822	4.1	401	30	9997	399			
	1953	132	9616	4.1	375	67	9732	392	65	9663	392
	1954	143	9432	4.1	391	67	9447	387	68	9062	373
	1955	155	9167	4.1	376	91	9020	368	83	9152	376
	1956	112	9168	4.1	378	75	9452	391	67	9322	383
	1957	96	9672	4.1	396	75	9690	391	75	9767	396
	1958	107	9781	4.1	399	97	9997	408	83	10104	407
	1959	183	9547	4.1	393	176	9774	396	178	10131	413
	1960	32	9133	4.1	373	28	10064	402	22	10041	408
GUERNSEY----	1947	274	8306	4.7	388	8	9151	428			
	1948	101	8590	4.7	398	12	8829	424			
	1949	154	8894	4.7	414	29	9738	455			
	1950	172	8645	4.7	408	39	9606	449			
	1951	249	8476	4.7	399	89	9017	416			
	1952	334	8428	4.7	394	176	8883	412			
	1953	396	8506	4.7	401	307	8986	406	280	8930	413
	1954	466	8407	4.7	398	421	8888	407	377	8944	411
	1955	521	8496	4.8	404	496	9284	425	471	8986	410
	1956	381	8493	4.7	401	352	9618	432	299	9291	425
	1957	294	9024	4.7	425	269	10108	455	254	9752	437
	1958	239	9245	4.7	437	198	10125	458	168	10040	455
	1959	185	9168	4.8	435	176	9921	451	163	10270	464
	1960	40	8615	4.6	400	38	9546	430	26	9462	421
HOLSTEIN----	1947	523	10836	3.6	391	38	11864	436			
	1948	275	11227	3.6	406	53	11929	439			
	1949	360	12052	3.6	435	89	12220	446			
	1950	413	11874	3.6	430	138	12155	443			
	1951	529	11786	3.6	428	246	12111	444			
	1952	833	11789	3.6	424	467	11946	436			
	1953	876	11915	3.6	432	755	11801	434	703	11358	419
	1954	1081	12003	3.7	439	1017	11984	444	944	11879	440
	1955	1390	12054	3.7	443	1341	12192	453	1274	11740	436
	1956	1427	12388	3.7	455	1360	12677	472	1277	12086	454
	1957	1480	12918	3.7	476	1373	13154	492	1274	12574	470
	1958	1741	13232	3.7	494	1535	13176	497	1439	13170	495
	1959	2283	13211	3.7	491	2230	12869	484	2176	13217	495
	1960	319	12936	3.7	477	284	12615	479	248	13277	497
JERSEY-----	1947	21	8169	5.1	421						
	1948	6	10135	5.1	520						
	1949	4	10890	4.7	505						
	1950	4	8160	5.0	400						
	1951	7	9476	5.0	474	1	8290	504			
	1952	18	8244	5.4	442	1	9460	504			
	1953	33	8398	5.4	453	11	8123	418	4	8388	427
	1954	41	8543	5.5	469	21	8550	461	19	8311	432
	1955	53	8041	5.4	437	20	8485	454	17	8207	432
	1956	42	8625	5.3	460	18	9098	480	12	7943	422
	1957	47	8801	5.2	461	19	9386	493	14	9071	467
	1958	89	8542	5.4	462	32	9458	506	43	9448	498
	1959	150	9261	5.3	488	89	9208	495	112	9783	499
	1960	21	7824	5.3	412	6	9004	473	14	9918	485
BROWN SWISS--	1950	2	12640	4.3	540						
	1951	2	10165	4.4	451						
	1952	5	12398	4.3	525	2	9020	356			
	1953	12	10374	4.1	430	2	10455	435	2	10077	419
	1954	14	9509	4.3	411	5	9862	426	5	10686	464
	1955	23	9671	4.2	408	8	11023	474	6	10978	481
	1956	25	10748	4.0	431	12	11558	474	11	11649	491
	1957	33	10944	4.2	454	15	10748	456	15	11571	477
	1958	60	11381	4.2	480	17	11232	473	18	11216	462
	1959	88	11861	4.3	508	54	11963	515	48	11150	489
	1960	14	11329	4.5	514	8	10864	500	9	11936	545
M. SHORTHORN--	1957	1	3860	4.4	172	1	8700	344	1	7772	306
	1958	1	7070	4.4	311	1	7160	280	1	7249	291
ALL BREEDS--	1947	958	9864	4.0	390	56	11139	428			
	1948	438	10402	3.9	404	72	11256	433			
	1949	579	10978	4.0	428	134	11343	441			
	1950	661	10814	4.0	423	193	11351	437			
	1951	870	10643	4.0	418	361	11189	434			
	1952	1283	10724	4.0	415	696	11076	428			
	1953	1449	10681	4.0	421	1142	10885	424	1054	10595	416
	1954	1745	10731	4.0	424	1531	10967	431	1413	10908	429
	1955	2142	10855	4.0	428	1956	11264	442	1851	10889	427
	1956	1987	11359	3.9	440	1817	11909	461	1666	11440	446
	1957	1951	12035	3.9	464	1752	12474	481	1633	11964	462
	1958	2237	12402	3.9	481	1880	12607	488	1752	12610	486
	1959	2889	12474	3.9	482	2725	12341	477	2677	12652	488
	1960	426	11939	3.9	460	366	11984	468	319	12558	485

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE'S IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1947	3	9107	4.0	356						
	1948	22	9023	4.0	362						
	1949	114	10081	4.0	405						
	1950	228	9538	4.1	387						
	1951	380	9433	4.1	382	5	9048	373			
	1952	520	9538	4.1	387	19	9767	403			
	1953	689	9191	4.0	369	45	10354	418			
	1954	732	9231	4.0	371	73	10229	417			
	1955	732	9692	4.0	390	102	10294	413	107	9564	389
	1956	743	9495	4.0	383	151	10117	409	137	9684	391
	1957	637	9668	4.0	386	206	9766	396	175	9911	398
	1958	584	10047	4.0	404	428	10305	414	392	10280	412
	1959	667	10225	4.1	417	633	10397	418	553	10547	423
	1960	137	9614	4.0	388	125	10316	409	126	10767	430
GUERNSEY----	1947	422	7897	4.9	383						
	1948	257	8187	4.8	394						
	1949	457	8344	4.9	408						
	1950	643	8055	4.9	377	2	11390	569			
	1951	828	8237	4.9	404	12	9521	462			
	1952	1010	8431	4.9	408	19	9352	460			
	1953	1298	8352	4.8	402	47	9465	451			
	1954	1609	8316	4.8	397	82	9224	444			
	1955	1623	8487	4.8	408	124	9301	447	122	8908	425
	1956	1294	8384	4.8	399	131	8949	425	124	8986	424
	1957	917	8572	4.7	404	297	9074	416	281	9125	427
	1958	541	8870	4.7	417	344	9075	418	300	9120	424
	1959	416	8831	4.7	415	372	8896	412	315	9395	435
	1960	80	8100	4.6	370	71	8535	378	61	9615	436
HOLSTEIN----	1947	3949	11246	3.6	400						
	1948	2862	11610	3.6	414	1	11470	466			
	1949	4418	12216	3.6	439	6	11298	421	1	14377	500
	1950	5885	11821	3.6	426	37	12618	456	1	13178	416
	1951	7189	11803	3.6	426	83	12649	458	1	13505	428
	1952	9013	12020	3.6	433	164	12943	474			
	1953	10956	11949	3.6	431	462	12796	467			
	1954	12517	11899	3.6	429	859	12731	462			
	1955	13695	12262	3.6	443	1390	13163	481	1427	12278	444
	1956	13923	12085	3.6	438	2431	12791	465	2267	12369	446
	1957	12762	12359	3.6	447	4941	12708	460	4450	12366	451
	1958	14658	12774	3.7	466	12459	12833	467	10549	12645	459
	1959	18539	12899	3.7	472	17974	12835	468	14567	13076	476
	1960	2836	12497	3.7	456	2584	12519	455	2393	13191	480
JERSEY-----	1947	23	7143	5.2	360						
	1948	41	7131	5.4	385	2	7060	412			
	1949	94	7660	5.3	408						
	1950	226	7801	5.3	413	4	6420	331			
	1951	352	7674	5.4	409	5	7224	369			
	1952	522	7685	5.3	407	12	7916	419			
	1953	662	7818	5.3	411	15	7619	407			
	1954	704	7676	5.3	403	22	7366	396			
	1955	677	7854	5.2	407	20	7777	412			
	1956	595	7824	5.2	405	31	7513	394	28	7532	393
	1957	410	7920	5.2	408	88	8126	415	37	8017	419
	1958	570	7984	5.3	419	242	8029	418	91	8233	425
	1959	648	7951	5.2	415	432	8104	419	290	8397	428
	1960	104	7606	5.2	393	61	7621	399	383	8806	437
BROWN SWISS--	1948	1	8060	4.2	336				81	8761	440
	1950	1	7910	4.5	356						
	1951	3	9910	4.2	418						
	1952	27	9595	4.2	398						
	1953	102	9800	4.2	408	2	11105	483			
	1954	167	9851	4.1	407	11	10221	437			
	1955	233	10158	4.1	419	17	11179	472	17	9973	409
	1956	262	9636	4.2	406	28	10652	436	25	10570	424
	1957	282	10155	4.2	424	49	10817	445	49	10941	443
	1958	483	11022	4.2	462	178	11272	464	237	11314	464
	1959	477	11011	4.2	462	342	11069	462	355	11466	466
	1960	119	10364	4.1	427	78	10248	414	98	11458	466
M. SHORTHORN--	1957	5	8200	3.8	315						
	1958	6	6642	4.0	268	2	6600	255	1	6278	247
	1959	3	7890	3.9	309	3	7917	293	3	8142	295
ALL BREEDS--	1947	4397	10902	3.7	398						
	1948	3183	11257	3.7	412	3	8530	430			
	1949	5083	11736	3.8	435	6	11298	421	1	14377	500
	1950	6983	11269	3.8	421	43	11984	450	1	13178	416
	1951	8752	11196	3.8	421	105	11862	450	1	13505	428
	1952	11092	11367	3.8	428	234	12136	464			
	1953	13707	11254	3.8	424	571	12187	460			
	1954	15729	11197	3.8	421	1047	12143	455			
	1955	16960	11585	3.8	436	1653	12611	473	1701	11764	438
	1956	16817	11497	3.8	431	2772	12383	459	2590	11986	442
	1957	15013	11850	3.8	440	5581	12325	455	5046	12012	447
	1958	16842	12340	3.8	460	13653	12552	463	11769	12344	456
	1959	20750	12533	3.8	467	19756	12548	464	16176	12781	472
	1960	3276	12036	3.8	448	2919	12165	449	2759	12810	475

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1953	4	10563	4.1	437						
	1954	7	8567	4.3	365						
	1955	9	7620	4.3	324						
	1956	23	8584	4.1	355				2	9592	370
	1957	10	10647	4.3	455		9690	400	2	9330	361
	1958	8	9599	4.5	425	2	8290	379	3	9905	418
	1959	1	7970	4.4	353	1	8320	362	1	8949	386
GUERNSEY----	1947	454	7672	4.8	367						
	1948	154	7801	4.8	369						
	1949	210	8279	4.8	395						
	1950	229	8281	4.8	395	1	8600	431			
	1951	260	8488	4.7	399	3	10507	517			
	1952	323	8233	4.8	390	4	8518	409			
	1953	430	8234	4.8	395	19	9556	469			
	1954	503	8370	4.9	404	24	9327	443			
	1955	465	8192	5.0	405	36	9285	444	33	8662	403
	1956	421	8326	4.9	407	59	9308	449	42	8713	412
	1957	316	8682	4.9	423	62	9811	457	44	9418	426
	1958	217	8598	4.8	415	87	9379	440	65	9300	428
	1959	176	9187	4.8	440	139	9596	440	120	9728	429
	1960	39	8154	4.8	392	33	9599	432	25	10157	425
HOLSTEIN----	1947	1376	11359	3.7	414						
	1948	498	11579	3.6	420						
	1949	725	12020	3.7	440	2	14045	495			
	1950	993	11727	3.7	431	6	12722	466			
	1951	1210	11796	3.7	432	13	11652	444			
	1952	1567	11783	3.7	435	32	13036	494			
	1953	1885	11830	3.7	435	63	12585	467			
	1954	2222	12134	3.7	448	122	13255	492			
	1955	2465	12133	3.7	451	178	13126	497	188	12204	456
	1956	2183	12083	3.7	449	247	13177	495	262	12495	470
	1957	2072	12488	3.7	464	378	13127	494	369	12356	466
	1958	2178	12354	3.7	460	1108	12606	469	994	12159	454
	1959	3202	12475	3.7	465	2932	12477	464	2706	12360	460
	1960	711	12432	3.8	466	648	12379	462	573	12321	459
JERSEY-----	1947	22	7798	5.3	415						
	1948	19	7645	5.3	408						
	1949	38	7768	5.1	392						
	1950	45	7431	5.3	390						
	1951	61	7662	5.2	392						
	1952	86	7878	5.2	410						
	1953	93	7925	5.2	408	1	12080	627			
	1954	80	8884	5.0	445	1	12190	615			
	1955	63	8197	5.2	420	1	8100	460	2	10083	561
	1956	31	7937	5.1	402	1	9330	491	2	9690	538
	1957	25	7864	5.1	396	3	9137	460	4	6894	365
	1958	40	9332	5.1	469	16	9158	465	17	8519	442
	1959	48	9828	5.1	496	29	9581	460	36	10123	496
	1960	8	9281	5.2	467	6	8643	449	3	9319	466
BROWN SWISS--	1947	7	11630	3.9	453						
	1948	6	11973	4.0	484						
	1949	11	9167	4.1	379						
	1950	37	10456	4.0	415						
	1951	47	10606	3.9	412						
	1952	76	10397	4.0	414	3	8743	380			
	1953	110	10634	4.1	434	3	10833	429			
	1954	161	10069	4.1	409	10	10868	440			
	1955	81	10595	4.2	443	7	10627	477	9	9844	420
	1956	167	10017	4.1	411	16	9996	412	11	10438	440
	1957	145	10362	4.2	430	17	10274	419	10	10441	434
	1958	135	11179	4.2	470	32	11084	457	27	10743	450
	1959	182	11151	4.3	474	116	11063	457	110	11016	463
	1960	47	9892	4.2	414	42	9924	402	28	10469	454
ALL BREEDS--	1947	1859	10418	4.0	403						
	1948	677	10613	3.9	409						
	1949	984	11025	4.0	428	2	14045	495			
	1950	1304	10938	3.9	423	7	12133	461			
	1951	1578	11056	3.9	424	16	11437	458			
	1952	2052	11009	3.9	426	39	12242	476			
	1953	2522	11019	4.0	427	86	11849	468			
	1954	2973	11269	4.0	438	157	12495	482			
	1955	3083	11405	4.0	443	222	12402	488	232	11591	448
	1956	2825	11327	3.9	439	323	12301	483	319	11890	461
	1957	2568	11847	3.9	456	461	12542	486	429	11945	460
	1958	2578	11921	3.9	457	1245	12290	467	1106	11895	452
	1959	3609	12212	3.8	465	3217	12275	463	2973	12175	459
	1960	805	12045	3.8	459	729	12081	457	629	12138	456

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1947	14	8967	4.1	365						
	1948	13	8252	4.1	338	1	10350	370			
	1949	38	9176	4.1	373	6	9088	384			
	1950	105	9255	4.2	388	28	9841	406			
	1951	170	8904	4.2	369	57	9342	386			
	1952	320	8664	4.2	365	153	8986	369			
	1953	491	8654	4.2	367	365	9188	372	118	9249	380
	1954	617	8876	4.2	374	541	9326	380	480	9092	370
	1955	690	8947	4.2	376	598	9299	381	565	9422	385
	1956	542	9045	4.2	379	438	9365	386	391	9597	397
	1957	675	8824	4.2	369	593	9356	383	460	9359	380
	1958	811	8796	4.2	367	723	9580	394	601	9524	392
	1959	660	8780	4.1	363	655	9274	375	631	9583	391
	1960	321	8746	4.1	360	506	9234	372	313	9988	405
GUERNSEY----	1947	155	7594	4.9	368	15	7926	392			
	1948	469	7498	4.8	360	70	8650	400			
	1949	1147	7945	4.9	385	246	9220	429			
	1950	1656	7686	4.9	372	523	8896	414			
	1951	2122	7687	4.9	372	936	8717	402			
	1952	2941	7661	4.8	370	1791	8554	393			
	1953	3618	7610	4.8	366	3192	8362	383	982	8505	394
	1954	4123	7871	4.9	381	3948	8606	397	3572	8436	391
	1955	3959	7947	4.9	385	3813	8735	405	3462	8726	406
	1956	2634	7885	4.8	379	2530	8663	400	2372	8791	414
	1957	2946	7802	4.8	372	2877	8753	400	2362	8443	394
	1958	3170	7770	4.7	368	2697	8673	391	2460	9100	411
	1959	2574	7869	4.7	367	2555	8621	381	2401	9290	416
	1960	770	7917	4.6	366	743	8505	377	745	9439	424
HOLSTEIN----	1947	727	11394	3.6	409	59	12114	436			
	1948	1635	11160	3.6	402	274	12113	433			
	1949	3703	11674	3.6	423	860	12326	449			
	1950	5671	11360	3.7	415	1959	11986	440			
	1951	7546	11434	3.7	418	3677	11854	437			
	1952	10599	11499	3.7	422	6916	11668	431			
	1953	13457	11393	3.7	419	12264	11338	420	3309	11245	418
	1954	15505	11583	3.7	429	14973	11538	429	13533	11316	419
	1955	16779	11764	3.8	440	16277	11776	442	14863	11602	433
	1956	13335	11591	3.8	434	12906	11570	435	12124	11968	451
	1957	17767	11555	3.8	433	17413	11583	436	14770	11537	435
	1958	26317	11852	3.8	447	24207	11745	443	22145	12059	456
	1959	38713	12007	3.8	454	38462	11791	445	35732	12365	467
	1960	10747	11704	3.8	440	10335	11614	438	10438	12508	474
JERSEY-----	1947	19	7206	5.2	380						
	1948	126	7519	5.3	395	17	7618	402			
	1949	359	7585	5.3	403	58	8161	442			
	1950	460	7630	5.3	401	92	7809	425			
	1951	619	7576	5.2	394	167	7886	419			
	1952	850	7560	5.3	396	297	7832	416			
	1953	1030	7367	5.3	387	493	7624	402	191	8052	413
	1954	1017	7514	5.3	395	506	7777	408	455	7655	404
	1955	800	7612	5.3	401	391	7912	415	385	7909	417
	1956	586	7582	5.3	397	295	7946	419	361	8153	430
	1957	739	7403	5.2	385	329	7920	412	368	7545	396
	1958	1221	7691	5.3	406	499	7967	419	454	8404	444
	1959	1099	7627	5.3	400	563	7885	410	524	8560	451
	1960	452	7453	5.2	388	253	7750	398	243	8654	453
BROWN SWISS--	1948	1	8350	4.1	344						
	1950	1	7270	4.1	296						
	1952	1	7490	4.6	342	1	10640	436			
	1953	18	9222	4.3	397	6	10580	451	1	9603	401
	1954	73	10278	4.4	448	25	9844	409	25	9899	413
	1955	102	10100	4.3	433	53	9586	403	50	9990	418
	1956	122	9476	4.3	404	48	10269	420	59	9934	420
	1957	153	9654	4.2	416	82	10460	428	80	9593	410
	1958	317	10704	4.3	455	124	11069	464	102	10061	418
	1959	226	10269	4.2	429	107	10610	440	102	10805	452
	1960	105	10137	4.2	428	56	10364	431	59	10560	442
M. SHORTHORN--	1957	3	5527	3.9	204	1	10410	397	2	3723	152
	1958	13	8100	3.8	311	6	6323	230	1	9221	378
	1959	3	8007	4.4	351	1	5720	195	1	6246	222
	1960	10	7781	3.8	299	5	5584	205	5	6082	227
ALL BREEDS--	1947	915	10626	3.8	400	74	11265	427			
	1948	2244	10172	4.0	392	362	11227	425			
	1949	5247	10561	4.0	413	1170	11450	445			
	1950	7893	10343	4.0	404	2602	11194	434			
	1951	10457	10404	4.0	407	4837	11080	429			
	1952	14711	10442	4.0	409	9158	10890	422			
	1953	18614	10361	4.0	406	16320	10596	411	4601	10476	412
	1954	21335	10589	4.0	416	19993	10802	421	18065	10593	412
	1955	22330	10844	4.0	427	21132	11060	433	19325	10946	426
	1956	17219	10792	4.0	422	16217	10987	428	15307	11317	443
	1957	22283	10826	4.0	421	21295	11077	429	18042	10985	427
	1958	31849	11196	3.9	435	28256	11325	437	25783	11643	449
	1959	43275	11591	3.9	446	42343	11506	439	39391	12078	462
	1960	12405	11221	3.9	432	11698	11262	431	11863	12155	468

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERO RECORDS NO.	AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1947	5	10108	4.1	405						
	1948	5	8488	3.9	332						
	1949	9	8338	3.9	330						
	1950	21	10275	4.2	428	1	10130	395			
	1951	56	10170	4.0	408	10	10510	434			
	1952	119	9763	4.0	390	35	9739	382			
	1953	143	9572	4.0	385	57	9621	380	37	9659	385
	1954	169	9657	4.0	389	64	9630	387	46	9678	389
	1955	190	9772	4.1	400	98	9576	387	67	9443	373
	1956	231	9802	4.1	397	125	9542	380	84	9559	379
	1957	213	9664	4.1	396	103	9824	390	80	9941	393
	1958	170	9788	4.1	399	90	10383	412	66	9647	382
	1959	158	9922	4.0	397	154	9934	391	121	10240	403
	1960	39	9350	3.9	366	35	10014	390	20	10520	410
GUERNSEY----	1947	79	7865	4.8	373						
	1948	63	7730	4.8	370	4	8208	381			
	1949	126	7930	4.8	378	15	9106	439			
	1950	138	8138	4.8	394	32	8189	399			
	1951	203	8001	4.8	379	85	8487	397			
	1952	305	7939	4.8	380	164	8553	390			
	1953	415	8050	4.7	381	310	8354	381	230	8538	394
	1954	503	7996	4.7	376	396	8445	383	339	8576	391
	1955	463	8204	4.7	382	408	9025	404	340	8760	395
	1956	505	8148	4.7	381	394	9214	416	345	9130	412
	1957	357	8301	4.6	384	281	9644	424	220	8980	405
	1958	300	8768	4.6	404	231	9856	438	159	9157	410
	1959	250	8651	4.6	401	223	9378	418	169	9468	435
	1960	70	8939	4.5	405	62	9362	421	18	9741	432
HOLSTEIN----	1947	189	11464	3.5	398	4	13020	461			
	1948	202	11494	3.5	403	19	11927	424			
	1949	345	12003	3.5	423	59	11646	418			
	1950	591	12127	3.5	425	182	12313	445			
	1951	873	12015	3.5	423	434	12120	429			
	1952	1260	12396	3.5	433	879	12310	435			
	1953	1791	12486	3.5	434	1651	12188	429	1238	12001	427
	1954	2234	12560	3.5	436	2129	12297	431	1773	12133	430
	1955	2727	12620	3.5	443	2605	12518	441	2235	12349	436
	1956	3012	12357	3.5	436	2858	12407	441	2535	12527	446
	1957	3072	12282	3.6	437	2816	12438	445	2557	12444	445
	1958	3699	12688	3.6	455	2804	12689	457	2413	12486	449
	1959	5463	12729	3.6	462	5270	12578	457	4367	12805	467
	1960	1098	12855	3.6	466	986	12604	460	345	12970	471
JERSEY-----	1947	59	7348	5.2	374	2	8670	418			
	1948	93	7621	5.2	393	7	8356	434			
	1949	174	7411	5.3	389	21	7290	388			
	1950	257	7822	5.3	410	54	7955	424			
	1951	270	7640	5.3	400	84	8108	420			
	1952	391	7830	5.2	406	173	8077	418			
	1953	462	7720	5.2	398	288	7831	404	212	7965	413
	1954	400	7678	5.2	397	247	7829	404	201	7852	407
	1955	345	7631	5.1	390	214	8319	427	182	8040	417
	1956	313	7880	5.2	403	190	8529	435	167	8400	431
	1957	270	7817	5.1	399	169	8203	418	155	8071	412
	1958	555	8303	5.1	424	321	8336	429	222	8295	433
	1959	894	8059	5.2	414	723	7997	411	529	8369	432
	1960	271	8199	5.1	422	225	8107	419	67	7655	397
BROWN SWISS--	1947	8	12299	4.1	505						
	1948	7	11577	4.2	480						
	1949	10	11378	4.0	458						
	1950	16	11180	4.1	456	4	12408	464			
	1951	44	10146	4.2	426	14	10584	423			
	1952	81	10321	4.1	426	26	10542	417			
	1953	129	10787	4.1	442	55	10660	426	38	10141	410
	1954	140	10752	4.1	445	61	11342	460	55	10644	432
	1955	143	11331	4.1	462	108	10927	439	96	10428	422
	1956	277	10851	4.2	451	155	11039	455	122	10797	441
	1957	335	10410	4.2	436	141	10660	441	131	10691	441
	1958	433	10808	4.2	452	131	10711	444	104	10407	433
	1959	650	10902	4.2	457	400	11099	460	333	10855	449
	1960	93	10522	4.1	433	67	10844	450	23	10445	434
M. SHORTHORN--	1954	1	7230	4.5	323	1	7230	291	1	8012	308
	1956	1	7800	3.9	305	1	7250	294	1	6050	247
	1957	1	7050	4.0	281	1	8960	350	1	8807	340
	1958	3	9167	3.7	344	3	10000	377	3	8066	305
	1959	3	9053	3.7	338	3	8623	333	2	9205	379
	1960	1	6880	3.8	263	1	6530	221			
ALL BREEDS--	1947	340	9914	4.1	391	6	11570	447			
	1948	370	9840	4.2	396	30	10598	421			
	1949	664	9967	4.3	405	95	10262	415			
	1950	1023	10455	4.2	417	273	10961	436			
	1951	1446	10506	4.1	412	627	11030	424			
	1952	2156	10714	4.1	418	1277	11148	425			
	1953	2940	10894	4.0	419	2361	11056	419	1755	10970	420
	1954	3447	11110	3.9	421	2898	11309	422	2415	11195	422
	1955	3868	11459	3.9	430	3433	11707	434	2920	11533	428
	1956	4339	11311	3.9	426	3723	11716	436	3254	11812	439
	1957	4248	11384	3.8	428	3511	11861	440	3144	11848	439
	1958	5160	11733	3.9	447	3580	11983	452	2967	11854	444
	1959	7418	11807	3.9	452	6773	11834	450	5521	12103	466
	1960	1572	11649	4.0	451	1376	11566	449	473	11868	454

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR					305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
		RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1950	1	7830	4.6	358						
	1951	3	9293	4.1	376	2	11300	427			
	1952	4	9263	4.1	381	4	10988	422			
	1953	12	9142	4.2	380	7	9801	389		9416	374
	1954	23	9139	4.2	376	19	8803	357	15	9812	391
	1955	43	9408	3.9	370	32	9880	390	50	10054	397
	1956	41	9303	4.0	375	29	9498	392	28	9751	388
	1957	23	8833	4.0	349	13	8742	343	12	9447	373
	1958	20	9070	4.0	359	16	9868	421	8	9405	374
	1959	10	9196	4.2	388	10	8687	356	10	9243	371
	1960	2	7540	4.1	305	2	8460	336			
	GUERNSEY----	1947	16	8613	4.9	413	4	8943	419		
1948		10	8873	4.9	429	2	10700	441			
1949		21	8715	4.9	428	4	8938	413			
1950		45	8585	5.1	437	7	9327	487			
1951		84	8518	5.1	431	31	9229	460			
1952		157	8517	4.9	418	67	9250	449			
1953		233	8640	4.9	421	157	8905	428	140	8809	426
1954		294	8730	4.8	418	251	8959	427	227	8892	424
1955		361	8744	4.7	414	308	9193	433	296	9043	423
1956		363	8765	4.8	423	281	9520	456	280	9397	445
1957		271	8753	4.8	420	202	9269	434	162	9114	434
1958		194	9104	4.7	431	140	9715	454	107	9457	449
1959	135	9125	4.7	428	111	9106	436	112	9402	451	
1960	37	9232	4.6	427	30	9194	433	11	9474	441	
HOLSTEIN----	1947	48	11111	3.7	415	2	14325	471			
	1948	32	11351	3.7	419	5	13978	535			
	1949	51	13095	3.7	477	8	14451	537			
	1950	121	13169	3.6	477	32	12993	472			
	1951	182	13096	3.6	474	60	13109	462			
	1952	299	12895	3.6	465	152	13112	470			
	1953	524	13102	3.6	474	427	12920	466	357	12657	461
	1954	688	12939	3.7	472	619	13101	475	510	12558	464
	1955	933	12971	3.7	473	850	13056	474	785	12751	463
	1956	1110	13050	3.7	482	1020	13165	485	939	12820	470
	1957	1143	12769	3.7	475	1029	13071	485	997	12975	483
	1958	1061	13096	3.7	486	809	12821	492	679	12672	473
1959	1208	13046	3.7	486	1143	12962	482	1121	13019	484	
1960	281	12807	3.7	473	246	12846	473	66	12706	473	
JERSEY-----	1947	10	7679	5.5	421	2	6480	362			
	1948	7	8953	5.1	452						
	1949	12	7529	5.1	384						
	1950	9	7246	5.3	382	1	7140	354			
	1951	32	8298	5.1	423	5	8152	412			
	1952	46	7635	5.1	387	9	7111	353			
	1953	67	8149	5.0	409	29	8153	423	13	7770	403
	1954	70	7819	5.1	399	35	7614	391	26	7832	403
	1955	73	8078	5.2	414	40	7971	410	37	7814	403
	1956	52	8093	5.1	412	28	8481	431	29	8235	422
	1957	46	8270	5.1	423	23	8960	461	22	8591	447
	1958	71	7735	5.3	410	40	8366	439	37	8245	432
1959	104	8440	5.1	428	72	8392	435	71	8460	437	
1960	49	8753	5.2	456	38	8482	441	11	7423	391	
BROWN SWISS--	1947	3	8017	3.9	311						
	1950	6	11020	4.0	440	1	12510	499			
	1951	11	10471	4.1	431	3	9590	382			
	1952	15	11178	4.3	476	5	11072	466			
	1953	20	11267	4.1	457	12	10632	432	11	9557	395
	1954	36	11929	4.1	491	23	11646	471	25	10505	428
	1955	35	10529	4.0	420	31	10684	423	29	10341	410
	1956	61	10813	4.1	442	43	10777	428	40	10572	423
	1957	56	11144	4.0	408	43	10115	406	47	10364	411
	1958	63	11166	4.1	452	32	11203	451	29	10792	435
	1959	83	11559	4.1	471	48	12015	485	46	11683	487
	1960	36	11674	4.2	481	21	12388	507	2	11587	472
M. SHORTHORN--	1952	1	11510	3.6	412						
	1953	1	7740	3.6	275	1	8110	308	1	5853	207
	1960	2	9940	3.9	384	2	7295	282	1	8971	343
ALL BREEDS--	1947	77	10026	4.2	412	8	9673	418			
	1948	49	10503	4.1	425	7	13041	508			
	1949	84	11205	4.2	451	12	12613	496			
	1950	182	11643	4.1	460	41	12212	473			
	1951	312	11242	4.2	455	101	11532	455			
	1952	522	11035	4.2	444	237	11714	459			
	1953	857	11397	4.1	453	633	11620	453	528	11402	448
	1954	1111	11391	4.1	451	947	11679	457	503	11253	448
	1955	1445	11503	4.0	451	1261	11812	459	1177	11535	448
	1956	1627	11757	4.0	462	1401	12191	474	1316	11857	461
	1957	1539	11773	4.0	459	1310	12273	473	1240	12260	472
	1958	1409	12133	4.0	471	1037	12134	483	860	11988	466
1959	1540	12286	3.9	476	1384	12351	475	1360	12417	478	
1960	407	11854	4.0	466	339	11947	466	91	11611	458	

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREN IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE	RECORDS NO.	MILK LB.	FAT LB.
						RECORDS NO.	MILK LB.	FAT LB.				
AYRSHIRE----	1951	1	8130	4.4	360	1	9940	396				
	1952	4	7268	4.1	296	2	8905	363				
	1953	7	8591	4.1	356	3	9640	366	2	9162	362	
	1954	15	7964	4.1	328	9	9351	377	8	9581	395	
	1955	15	7499	3.9	293	10	8152	326	10	8518	331	
	1956	12	7742	4.0	308	6	9168	363	1	8775	396	
	1957	11	8969	4.0	362	7	9550	379	7	9162	364	
	1958	20	8039	4.0	321	19	9174	354	6	8526	331	
	1959	30	9116	4.1	380	23	9574	386	21	9173	369	
	1960	21	10048	4.3	430	13	8625	363	16	9702	406	
GUERNSEY----	1947	490	7479	4.8	354	37	8885	395				
	1948	299	7547	4.8	352	56	9090	403				
	1949	415	7551	4.8	361	107	8717	398				
	1950	585	7551	4.8	363	249	8438	390				
	1951	759	7501	4.8	360	492	8190	378				
	1952	1028	7494	4.8	359	893	8023	369				
	1953	1377	7655	4.8	366	1311	7974	371	957	8012	372	
	1954	1443	7496	4.8	359	1355	7862	368	1155	8225	387	
	1955	1278	7740	4.8	370	1164	8257	384	1079	8130	385	
	1956	877	8016	4.8	382	666	8533	396	314	8341	397	
	1957	672	8169	4.8	389	512	8905	416	429	8653	412	
	1958	787	8531	4.8	406	756	8864	414	595	8955	423	
	1959	872	8404	4.8	403	853	8733	409	773	9306	439	
	1960	202	8610	4.8	411	193	8832	409	174	9116	430	
HOLSTEIN----	1947	1899	11278	3.5	394	169	12275	437				
	1948	1254	11738	3.5	408	269	12548	443				
	1949	1854	11831	3.5	415	579	12451	442				
	1950	2278	11733	3.5	414	1105	12087	430				
	1951	2839	11573	3.6	411	1949	11646	417				
	1952	3747	11703	3.6	417	3367	11680	417				
	1953	4812	11899	3.6	427	4593	11819	424	3375	11491	410	
	1954	5914	11589	3.6	419	5587	11639	420	4737	11788	424	
	1955	5600	11654	3.6	423	5049	11803	426	4602	11734	424	
	1956	4592	12044	3.6	438	3492	12181	443	1209	11972	435	
	1957	5556	12458	3.7	455	4944	12607	461	4303	12297	450	
	1958	8543	13137	3.6	478	8383	13034	473	5862	12557	459	
	1959	6953	12721	3.7	465	6811	12621	460	5524	13145	479	
	1960	1025	12494	3.6	452	922	12538	455	843	12696	464	
	1961	2	14090	4.2	589	1	12570	445				
JERSEY-----	1947	60	7374	5.3	390	8	6935	378				
	1948	45	6638	5.3	348	13	7012	375				
	1949	51	7100	5.4	376	9	7716	411				
	1950	67	7100	5.3	374	22	7637	399				
	1951	101	7122	5.4	382	41	7577	402				
	1952	148	7626	5.3	396	83	7334	380				
	1953	182	7265	5.4	388	116	7197	378	91	7317	387	
	1954	172	7216	5.4	388	102	7143	383	88	7582	406	
	1955	118	7334	5.3	391	71	7372	394	63	7180	385	
	1956	83	7250	5.4	392	43	7433	394	30	7746	415	
	1957	90	7555	5.4	402	62	7896	423	49	7329	393	
	1958	203	7903	5.3	417	162	7770	414	131	7701	415	
	1959	300	7915	5.4	421	236	7718	409	185	8191	435	
	1960	116	7605	5.3	397	92	7901	411	92	8105	432	
BROWN SWISS--	1947	82	9069	4.0	360	6	9837	435				
	1948	48	9909	4.0	396	8	11549	450				
	1949	56	10374	4.0	415	10	11562	454				
	1950	71	9651	4.0	384	14	10525	395				
	1951	87	8635	4.1	355	31	9820	380				
	1952	146	9646	4.1	395	80	9962	394				
	1953	163	9401	4.1	382	127	9714	387	116	9434	374	
	1954	236	9080	4.1	371	185	9415	379	161	9584	385	
	1955	247	9194	4.1	377	183	9422	378	139	9238	371	
	1956	246	10171	4.1	415	158	10371	416	70	9676	386	
	1957	318	10464	4.1	427	217	10775	433	207	9946	406	
	1958	404	11094	4.1	453	326	11102	449	266	10545	423	
	1959	538	11079	4.1	453	469	11131	453	379	11405	462	
	1960	149	10655	4.1	434	123	10586	429	106	10433	421	
M. SHORTHORN--	1947	2	9045	3.9	352							
	1948	2	9315	3.7	338							
	1949	3	7457	3.6	272	2	6390	258				
	1950	3	6203	3.8	235	1	7430	310				
	1951	2	7865	3.8	299	1	5830	206				
	1952	3	9413	4.1	381	2	8270	319				
	1953	6	7237	3.8	281	5	7636	289	5	7255	275	
	1954	4	8488	4.0	344	3	8573	339	3	8095	319	
	1955	7	7351	3.9	292	4	9123	358	4	7772	299	
	1956	2	7280	3.5	263	1	9600	364	1	6169	229	
	1957	11	8736	3.8	335	8	9730	363	7	8081	309	
	1958	14	9961	3.9	387	10	9361	355	7	8709	326	
	1959	21	9533	4.0	378	13	9107	352	10	7841	390	
ALL BREEDS--	1947	2533	10377	3.8	385	220	11444	427				
	1948	1648	10782	3.8	397	346	11757	434				
	1949	2379	10943	3.8	405	707	11796	434				
	1950	3004	10761	3.8	402	1391	11345	422				
	1951	3789	10568	3.9	399	2515	10879	408				
	1952	5076	10668	3.9	404	4427	10827	406				
	1953	6547	10808	3.9	412	6155	10865	411	4546	10617	401	
	1954	7784	10649	3.9	406	7241	10811	408	6152	10996	416	
	1955	7265	10799	3.9	411	6481	11043	417	5897	10959	415	
	1956	5812	11278	3.9	428	4366	11507	435	1625	11088	425	
	1957	6658	11852	3.8	446	5750	12150	455	5002	11828	444	
	1958	9971	12569	3.8	469	9656	12542	466	6867	12067	454	
	1959	8714	12002	3.9	456	8465	11992	453	6892	12466	472	
	1960	1513	11386	4.0	440	1343	11471	442	1231	11613	453	
	1961	2	14090	4.2	589	1	12570	445				

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	FAT LB.	YEARLY RECORDS NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1951	3	7523	4.1	306	1	10190	396			
	1952	1	7880	4.2	327	1	10460	401			
	1953	1	7150	4.2	302	1	9330	367			
	1954	4	8250	4.3	354	4	8195	332	4	8374	337
	1955	8	6816	4.4	300	8	8495	349	8	7910	328
	1956	17	7823	4.1	315	16	8728	348	16	8492	348
	1957	10	7769	4.1	322	10	8814	359	9	8921	360
	1958	29	9084	4.1	369	25	9855	389	23	8898	388
	1959	43	9747	4.2	408	37	10055	402	40	9052	409
	1960	15	10192	4.1	416	13	10648	425	10	10095	405
GUERNSEY----	1947	93	6946	5.0	344	5	7676	370			
	1948	74	7284	5.1	366	6	8248	397			
	1949	101	7740	5.0	387	15	8085	405			
	1950	134	7548	4.9	368	39	8002	385			
	1951	179	7460	4.9	363	85	7916	375			
	1952	315	7575	4.9	368	229	7988	379			
	1953	570	7519	4.9	366	488	7820	367	368	7858	367
	1954	688	7420	4.9	362	637	7874	370	564	7879	374
	1955	757	7788	4.9	381	715	8326	392	656	8064	379
	1956	668	8059	4.9	394	623	8675	406	545	8657	408
	1957	482	7896	4.9	382	447	8705	405	422	8657	411
	1958	225	8379	4.8	399	187	9170	418	169	8790	410
	1959	102	8372	4.9	404	88	8780	414	84	8864	425
	1960	16	8026	4.8	385	16	8672	393	6	9100	419
HOLSTEIN----	1947	470	11460	3.5	397	16	12134	419			
	1948	339	12181	3.5	424	26	12831	447			
	1949	505	12025	3.5	423	112	12929	454			
	1950	871	11955	3.6	428	345	12257	439			
	1951	1380	11606	3.6	417	817	11828	426			
	1952	2620	11776	3.6	424	1908	11890	429			
	1953	4128	11602	3.6	419	3692	11645	420	2585	11513	413
	1954	5086	11465	3.6	411	4751	11594	415	4134	11486	414
	1955	5744	11863	3.6	426	5417	11974	430	4751	11589	416
	1956	5484	11832	3.6	424	5192	12000	430	4545	11999	431
	1957	4372	11745	3.6	421	4087	11989	430	3676	12072	434
	1958	3888	12820	3.6	460	3452	12829	461	3284	11834	446
	1959	3644	13029	3.6	471	3369	12968	470	3399	12376	472
	1960	587	12581	3.6	456	542	12838	466	202	12904	468
JERSEY-----	1947	12	7979	4.7	364	1	10080	493			
	1948	13	8923	5.0	441	2	9305	479			
	1949	31	8410	5.0	411	6	9472	468			
	1950	49	7972	5.1	402	12	8748	449			
	1951	72	7412	5.1	378	32	8006	427			
	1952	105	7560	5.2	389	53	7740	405			
	1953	174	7488	5.3	390	105	7679	396	79	7553	392
	1954	185	7212	5.3	376	120	7656	402	113	7591	400
	1955	152	7475	5.2	385	97	7922	406	89	7583	394
	1956	138	6985	5.3	366	91	7844	412	87	7765	405
	1957	90	7435	5.2	385	63	8417	434	57	8161	423
	1958	147	8191	5.3	428	85	8495	438	80	8542	434
	1959	142	8448	5.3	441	114	8776	450	106	8440	448
	1960	41	8159	5.2	421	37	8288	419	8	8134	409
BROWN SWISS--	1947	1	14770	4.1	600						
	1948	3	8037	4.1	332						
	1949	3	7873	4.2	328						
	1951	15	8631	4.1	355	7	10516	420			
	1952	17	9271	4.1	379	8	9630	391			
	1953	52	9573	4.1	393	26	10649	433	14	10234	406
	1954	70	9705	4.1	394	33	10781	427	29	9886	399
	1955	90	10268	4.0	412	58	10381	414	52	9374	378
	1956	103	9935	4.1	408	68	10560	421	66	10270	414
	1957	120	10062	4.1	408	72	10591	423	62	10326	419
	1958	258	11021	4.1	450	120	10975	438	114	9866	411
	1959	210	10925	4.0	439	146	11018	443	159	10258	443
	1960	60	10387	4.0	410	48	10448	416	38	10531	425
M. SHORTHORN--	1947	2	9270	4.5	417						
	1949	1	12350	3.3	413						
	1950	3	8193	3.7	304						
	1951	4	9378	4.1	381	1	8860	331			
	1952	8	8614	4.0	261	5	8340	323			
	1953	24	7851	3.9	307	16	8056	320	12	7586	292
	1954	28	8361	3.9	323	20	8198	317	16	7340	293
	1955	36	7515	3.9	294	29	8169	324	28	7074	278
	1956	30	7508	4.0	305	26	8569	337	20	7440	288
	1957	19	7654	3.8	291	17	8252	317	17	7530	290
	1958	15	9192	3.9	349	12	9305	349	13	7442	304
	1959	17	7754	3.8	298	15	8155	318	15	8244	319
	1960	2	7220	3.7	265	2	6865	257			
ALL BREEDS--	1947	578	10659	3.8	388	22	11027	411			
	1948	429	11208	3.8	414	34	11815	440			
	1949	641	11156	3.8	417	133	12227	449			
	1950	1057	11201	3.8	418	396	11732	434			
	1951	1653	10935	3.8	408	943	11331	421			
	1952	3066	11172	3.8	417	2204	11368	423			
	1953	4949	10947	3.8	411	4328	11098	413	3058	10949	406
	1954	6061	10839	3.8	404	5565	11064	409	4860	10951	409
	1955	6787	11260	3.8	419	6324	11463	425	5584	11062	410
	1956	6440	11276	3.8	418	6016	11553	427	5279	11535	427
	1957	5093	11242	3.8	415	4696	11587	427	4243	11630	431
	1958	4562	12314	3.7	454	3881	12471	457	3683	11528	443
	1959	4158	12596	3.7	466	3769	12620	466	3803	12049	468
	1960	721	11981	3.8	447	658	12245	456	264	12225	457

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVIC. IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
						RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.
AYRSHIRE----	1949	1	8350	4.4	369						
	1950	3	8887	4.0	356						
	1951	5	9672	4.1	394		9583	402			
	1952	15	8828	4.0	356	7	9576	389			
	1953	35	8330	4.2	350	27	8340	338	16	8686	344
	1954	56	8292	4.1	338	48	8807	351	29	7931	308
	1955	58	8671	4.2	360	53	9387	378	44	8642	348
	1956	61	9329	4.1	382	56	9907	394	50	8985	363
	1957	52	8782	4.1	360	46	9358	372	41	9052	363
	1958	48	9589	4.1	386	38	10077	405	27	7968	375
	1959	79	9216	4.0	370	67	10190	415	67	8367	395
	1960	29	10749	4.0	433	27	11255	462	16	9598	383
GUERNSEY----	1947	38	8362	4.9	399	2	13655	533			
	1948	48	8059	4.9	390	6	9117	439			
	1949	72	7730	4.9	380	11	8593	411			
	1950	102	7771	4.9	376	20	8767	408			
	1951	124	7825	4.9	382	51	8649	422			
	1952	180	8053	4.8	388	102	8711	418			
	1953	302	8057	4.8	387	244	8456	398	170	8370	395
	1954	357	8049	4.8	387	313	8544	392	187	8539	394
	1955	457	8168	4.8	390	416	8794	407	338	8312	388
	1956	389	8103	4.8	387	354	8945	414	308	8765	406
	1957	355	8092	4.8	387	330	8981	415	288	8799	413
	1958	222	8267	4.8	396	147	9076	416	142	8746	409
	1959	72	8956	4.7	421	61	9154	422	60	9181	451
	1960	10	8965	4.7	421	9	8321	404	9	8070	388
HOLSTEIN----	1947	86	13627	3.5	472	1	15880	587			
	1948	108	12677	3.5	446	9	11110	397			
	1949	198	12568	3.6	446	36	12506	446			
	1950	331	12171	3.7	442	91	12446	451			
	1951	425	11803	3.7	432	217	11810	433			
	1952	645	12111	3.6	437	432	12050	433			
	1953	1031	12145	3.6	437	848	11981	430	647	11506	415
	1954	1365	12194	3.6	437	1210	12139	435	592	11901	429
	1955	1752	12432	3.6	445	1614	12376	444	1263	11887	430
	1956	2015	12785	3.6	461	1858	12825	463	1549	12234	441
	1957	1848	12608	3.6	458	1684	12739	463	1465	12542	454
	1958	1992	13212	3.6	480	1495	13235	481	1435	12036	474
	1959	2019	13277	3.6	483	1752	12950	471	1799	11571	473
	1960	322	12652	3.6	460	298	12703	467	257	13067	477
JERSEY-----	1947	12	6218	5.6	345						
	1948	35	6242	5.8	359	1	8730	419			
	1949	47	6820	5.5	373	1	8260	457			
	1950	63	6989	5.4	374	6	9607	492			
	1951	78	6959	5.4	374	15	8131	423			
	1952	89	6973	5.4	372	19	8358	434			
	1953	129	6733	5.4	363	52	7472	393	32	8288	424
	1954	126	6794	5.4	362	58	7381	382	23	7553	387
	1955	106	6789	5.3	359	45	7689	391	42	7414	373
	1956	90	6808	5.3	361	50	7902	411	39	7382	377
	1957	75	7241	5.3	382	44	7784	404	27	7759	411
	1958	69	7513	5.1	382	31	8106	409	26	7968	434
	1959	107	8181	5.4	439	72	8307	435	72	7356	411
	1960	41	7784	5.1	390	32	7990	403	28	7637	399
BROWN SWISS-	1947	4	9898	3.9	384						
	1948	15	10002	4.2	421	1	11200	448			
	1949	41	10688	4.0	428	6	11630	464			
	1950	58	10757	4.1	437	17	11456	475			
	1951	82	9617	4.2	397	32	10069	417			
	1952	109	9955	4.1	405	60	10262	418			
	1953	168	10001	4.2	414	112	10141	416	96	9499	350
	1954	168	10218	4.1	419	116	10143	416	77	9424	389
	1955	185	10632	4.1	433	138	10432	422	107	9772	401
	1956	213	10846	4.1	446	176	10860	443	138	10272	417
	1957	243	10415	4.1	425	159	10699	432	142	10325	420
	1958	444	10830	4.1	443	223	10724	431	204	9243	425
	1959	524	10658	4.1	435	401	10777	437	397	9467	423
	1960	166	10326	4.1	422	139	10191	410	121	10518	429
M. SHORTHORN-	1947	1	7200	3.6	259						
	1949	2	8600	3.7	313						
	1950	11	8961	3.8	344	1	8640	328			
	1951	19	7736	3.9	301	4	8633	335			
	1952	17	7940	3.8	302	6	8412	326			
	1953	26	7818	3.7	291	17	8397	320	17	7013	265
	1954	23	8313	3.7	311	20	8440	331	11	6974	269
	1955	17	7828	4.0	315	12	7563	283	9	7372	288
	1956	33	8351	3.8	316	29	8998	340	18	7005	265
	1957	30	7445	3.9	291	24	8595	333	23	7495	289
	1958	20	8010	3.9	306	12	9632	358	11	7969	304
	1959	35	8630	3.8	325	28	8488	319	23	7804	350
	1960	7	9580	3.7	368	6	8228	321	4	8647	329
ALL BREEDS--	1947	141	11426	4.0	438	3	14397	551			
	1948	206	10313	4.3	416	17	10272	416			
	1949	361	10608	4.1	420	54	11533	441			
	1950	568	10582	4.1	420	135	11622	448			
	1951	733	10250	4.1	410	322	10905	428			
	1952	1055	10649	4.0	417	626	11160	428			
	1953	1691	10643	4.0	416	1300	10858	418	978	10535	406
	1954	2095	10857	4.0	418	1765	11082	421	919	10716	412
	1955	2575	11199	3.9	428	2278	11416	432	1803	10885	416
	1956	2801	11668	3.9	443	2523	11937	451	2102	11385	430
	1957	2603	11497	3.9	439	2287	11848	449	1986	11645	441
	1958	2795	12197	3.9	462	1946	12467	467	1539	11346	461
	1959	2836	12321	3.8	466	2381	12216	459	2418	10916	459
	1960	575	11436	3.9	441	511	11518	444	437	11727	451

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS MILK LB.	FAT LB.
AYRSHIRE----	1952	1	9730	4.6	450				
GUERNSEY----	1947	3	8250	4.2	346				
	1948	5	7824	5.0	390				
	1949	11	8158	5.3	428				
	1950	35	7778	5.0	389	3	8810	414	
	1951	72	7898	5.0	393	11	7926	367	
	1952	121	7948	4.9	392	41	8795	415	
	1953	133	8149	4.9	399	72	9106	431	66
	1954	155	8236	4.9	401	110	8868	409	8463
	1955	195	7780	4.9	385	165	8408	398	8944
	1956	160	8154	4.9	402	139	8783	410	8673
	1957	116	8321	4.9	405	95	9122	433	8596
	1958	67	8446	4.8	408	48	9437	436	8973
	1959	30	8691	4.9	425	28	8857	427	8313
	1960	5	9828	5.0	485	4	8878	436	8877
HOLSTEIN----	1948	3	11070	3.9	432				
	1949	21	11653	3.7	429	2	11230	406	
	1950	25	13199	3.7	487	6	13480	473	
	1951	36	11276	3.7	413	6	11315	414	
	1952	84	11574	3.7	426	22	11355	426	
	1953	157	11876	3.7	440	88	11710	433	60
	1954	239	12075	3.6	438	166	11493	425	10985
	1955	352	11839	3.7	433	276	11398	418	10935
	1956	438	11786	3.7	435	347	11285	419	11477
	1957	415	11466	3.7	426	335	11356	423	11501
	1958	351	12362	3.7	455	271	12061	451	11353
	1959	441	12611	3.7	467	392	12796	476	11128
	1960	107	12777	3.7	478	96	12449	472	12085
JERSEY-----	1947	9	7209	5.1	366				
	1948	23	6745	5.2	352				
	1949	93	7370	5.3	385	3	7110	377	
	1950	166	7729	5.3	405	12	7731	418	
	1951	230	7761	5.2	404	29	7862	406	
	1952	307	7612	5.2	395	60	7739	408	
	1953	241	7509	5.2	392	80	7686	401	54
	1954	281	7742	5.2	397	125	7568	388	7224
	1955	231	7876	5.2	405	139	7935	408	7550
	1956	159	7738	5.2	397	103	8315	428	7960
	1957	133	7348	5.2	385	95	8191	431	7970
	1958	154	7792	5.2	406	84	8112	429	7675
	1959	192	8267	5.3	437	139	8096	429	7847
	1960	77	8338	5.3	438	71	8250	431	8117
BROWN SWISS--	1951	1	8890	4.2	369				
	1952	2	9715	4.2	406				
	1953	5	9604	4.3	414				
	1954	7	7694	4.2	322	3	9227	389	2
	1955	7	9013	4.3	382	4	9245	410	8557
	1956	18	9864	4.3	418	8	9261	385	9440
	1957	22	9684	4.3	411	13	9642	397	8895
	1958	19	10257	4.1	423	11	10453	425	7975
	1959	19	10443	4.1	431	14	10406	418	8809
	1960	6	9892	4.1	406	5	10314	408	7975
M. SHORTHORN--	1953	3	7333	4.1	299	2	9045	348	5
	1954	6	6617	4.0	264	5	8782	343	8448
	1955	6	9358	4.3	404	6	7673	299	7656
	1956	13	8138	4.1	334	8	9458	390	7483
	1957	16	8846	4.1	366	12	9771	396	7984
	1958	10	9017	4.3	385	6	9980	396	7918
	1959	16	10007	3.9	390	13	9250	372	7336
	1960	1	9360	3.5	332	1	9410	358	7325
ALL BREEDS--	1947	12	7469	4.9	361				
	1948	31	7338	5.1	366				
	1949	125	8159	5.0	396	5	8758	388	
	1950	226	8342	5.1	412	21	9528	433	
	1951	339	8167	5.0	402	46	8328	398	
	1952	515	8349	4.9	400	123	8738	414	
	1953	539	8958	4.7	407	242	9583	421	183
	1954	688	9348	4.6	410	409	9537	408	8924
	1955	791	9637	4.4	412	590	9693	409	9389
	1956	788	10128	4.3	419	605	10154	418	9769
	1957	702	10050	4.2	413	550	10348	425	10158
	1958	601	10632	4.2	435	420	10899	443	10208
	1959	698	11129	4.2	454	586	11357	458	9799
	1960	196	10852	4.4	459	177	10607	452	10827

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1953	1	7580	4.1	312	1	7840	325			
	1955	1	5440	4.5	247	1	7030	266			
	1956	1	6660	3.7	249	1	4720	191	1	6791	273
GUERNSEY----	1950	1	9970	5.3	532						
	1951	2	9340	5.3	490						
	1952	7	8983	4.9	436	2	9665	422			
	1953	14	7161	4.8	346	4	8100	368	5	9287	422
	1954	23	7865	5.0	392	11	8106	399	11	8530	409
	1955	15	7909	5.1	400	11	9275	423	11	8450	403
	1956	16	6962	5.2	360	13	8522	383	6	8734	394
	1957	16	7549	5.0	378	13	9155	405	5	9128	407
	1958	6	6273	5.0	316	6	8205	355	6	8974	397
	1959	4	8620	5.0	429	4	9408	429	1	9886	403
HOLSTEIN----	1950	2	12475	3.5	431	2	11255	380			
	1951	6	11515	3.5	394	2	8760	244			
	1952	17	11425	3.6	408	9	11782	425			
	1953	84	10961	3.7	399	74	11172	396	50	11214	393
	1954	193	10655	3.6	381	176	10951	387	167	10948	387
	1955	277	11245	3.6	407	262	11318	407	250	10744	381
	1956	314	11783	3.6	421	303	11951	423	261	11398	410
	1957	346	12423	3.6	438	328	12453	438	154	11339	412
	1958	227	12429	3.5	438	189	12753	447	164	12238	434
	1959	121	12952	3.6	471	114	12809	462	99	12409	444
	1960	27	14109	3.6	511	23	13163	485	21	12538	456
JERSEY-----	1954	2	5975	6.2	371	2	6775	388			
	1960	2	5235	5.4	282	2	6980	284			
BROWN SWISS-	1951	2	8445	3.8	309						
	1952	7	5930	4.1	237						
	1953	8	10239	3.9	398				3	10704	424
	1954	16	9173	4.0	367	7	10716	437	7	9429	374
	1955	15	10158	4.0	403	13	10509	427	13	8966	353
	1956	16	9464	3.9	368	12	9977	405	10	9936	395
	1957	17	10448	4.0	415	17	10084	406	9	10039	407
	1958	29	11983	4.0	472	15	10649	440	8	9899	394
	1959	19	10061	4.0	399	14	10051	418	9	7531	364
	1960	13	7286	4.1	292	8	9554	387	5	9961	406
H. SHORTHORN-	1958	1	8280	3.9	325	1	10040	382	1	9036	362
	1960	1	9310	4.0	376	1	9420	355	1	9091	347
ALL BREEDS--	1950	3	11640	4.1	465	2	11255	380			
	1951	10	10466	3.9	396	2	8760	244			
	1952	31	9633	4.0	375	11	11397	425			
	1953	107	10379	3.8	391	79	10974	395	58	11022	397
	1954	234	10239	3.8	381	196	10740	390	185	10747	388
	1955	308	11010	3.7	406	287	11188	408	274	10567	380
	1956	347	11439	3.7	416	329	11721	420	280	11253	409
	1957	379	12129	3.6	435	358	12221	435	168	11204	411
	1958	263	12223	3.6	439	211	12462	444	179	12006	430
	1959	144	12450	3.7	461	132	12414	456	109	11983	437
	1960	43	11522	3.9	431	34	11840	446	27	11933	443

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORDS NO.	HERD MILK LB.	AVERAGE FAT LB.
						RECORDS NO.	MILK LB.	FAT LB.			
AYRSHIRE----	1952	1	6920	5.3	368	1	10700	411			
	1953	1	9830	4.6	449	1	8480	358	1	9102	407
	1954	1	8810	4.3	379	1	9430	386	1	9102	383
	1955	2	9720	4.6	446	2	10400	405	2	9036	371
	1956	2	8020	4.2	331	2	10130	404	2	10361	430
	1959	3	10583	4.4	461	2	12100	476	2	11435	461
	1960	1	10140	4.0	407	1	11330	446	1	10475	404
GUERNSEY----	1947	1	6600	4.3	281						
	1948	2	6980	4.7	330						
	1950	4	6683	5.2	343						
	1951	3	7157	4.8	345						
	1952	5	7304	5.0	365						
	1953	9	7604	4.7	358						
	1954	9	7379	4.4	325				1	7870	415
	1955	6	7713	4.3	333	1	9420	451			
	1956	5	8882	4.5	397	1	9850	493	1	8785	417
	1957	4	7963	4.3	346	2	7815	386	2	7979	375
	1958	2	10200	4.3	432	1	10060	463	1	8938	434
	1959	2	8930	4.5	404	2	10090	442	2	9423	442
HOLSTEIN----	1949	3	14230	3.5	502						
	1950	8	13073	3.6	457	1	19670	563			
	1951	8	14520	3.6	518	1	14420	524			
	1952	13	13785	3.3	458	1	11310	366			
	1953	17	12877	3.5	453	5	11602	415	3	12150	444
	1954	33	13493	3.4	459	22	12319	447	24	11955	412
	1955	29	12179	3.5	426	21	12100	439	21	12386	435
	1956	13	13674	3.5	483	10	13950	512	10	14269	507
	1957	26	13217	3.6	480	21	13185	482	23	12612	457
	1958	40	12965	3.4	441	26	12582	451	28	9433	395
	1959	63	11858	3.5	409	53	11338	395	61	10712	414
	1960	18	11813	3.4	411	17	12253	414	9	11704	404
JERSEY-----	1947	4	4888	6.2	301						
	1951	2	5865	5.9	341						
	1952	1	4940	5.9	292						
	1953	1	4710	6.2	290						
	1954	2	5385	6.1	328						
	1955	1	5120	6.3	324						
	1957	1	5150	6.2	317						
	1958	1	10200	4.7	475	1	8430	480	1	8219	460
	1959	1	7540	6.4	484	1	8120	522	1	8175	476
	1960	2	9635	5.1	483	2	8295	467	2	8617	454
BROWN SWISS-	1950	1	16170	3.4	557						
	1951	14	9106	4.2	380						
	1952	18	10760	4.2	450						
	1953	20	10149	4.1	418	1	13560	511	2	11053	451
	1954	19	11966	3.9	468	3	14807	574	2	11064	440
	1955	11	14017	4.0	562	3	14493	583	3	10955	440
	1956	13	11719	4.1	473	2	12785	503	2	12514	506
	1957	20	11662	4.2	489	4	11295	485	4	11249	464
	1958	13	12059	3.9	473	3	6863	279			
	1959	10	11842	4.3	506	6	11103	462	6	9659	405
ALL BREEDS--	1947	5	5230	5.8	297						
	1948	2	6980	4.7	330						
	1949	3	14230	3.5	502						
	1950	13	11345	4.1	430	1	19670	563			
	1951	27	10253	4.2	414	1	14420	524			
	1952	38	11086	4.1	435	2	11005	389			
	1953	48	10518	4.1	417	7	11436	420	6	11276	440
	1954	64	11853	3.8	438	26	12495	460	26	11643	413
	1955	49	11601	3.8	444	27	12141	453	26	11963	430
	1956	33	11635	3.9	457	15	13012	495	15	13148	491
	1957	51	12037	4.0	470	27	12507	476	29	12105	452
	1958	56	12606	3.6	448	31	11814	436	30	9376	399
	1959	79	11679	3.7	424	64	11251	408	72	10573	416
	1960	21	11526	3.6	417	20	11811	421	12	11087	412

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1951	1	4840	4.3	208							
	1952	1	7700	4.5	343							
	1953	9	8293	4.3	360	2	7525	321		1	6377	279
	1954	11	9313	4.3	403	3	7947	359		2	7772	332
	1955	3	11130	4.3	470	2	7420	297		2	6507	266
	1956	2	8815	3.8	335	1	3200	161		1	9843	390
	1957	4	7400	4.1	303	2	8395	319		2	7554	305
	1960	1	8990	4.5	404	1	9470	394		1	6976	303
GUERNSEY----	1947	10	7983	4.8	379	2	8735	443				
	1948	13	7433	4.9	364	2	10755	512				
	1949	26	8205	5.0	415	3	10123	507				
	1950	29	7986	5.2	415	5	9456	475				
	1951	49	8036	5.0	397	15	9222	421				
	1952	38	8336	5.0	417	15	8885	434				
	1953	59	8543	4.9	421	35	8966	412		18	8397	387
	1954	73	8352	4.9	409	49	8986	403		36	8927	416
	1955	49	8791	5.0	435	31	9953	462		27	9463	446
	1956	43	9161	5.0	454	30	10000	480		27	9536	460
	1957	32	8478	5.0	418	22	9255	437		22	9827	460
	1958	22	8715	4.8	414	13	8948	422		11	9444	467
	1959	14	9455	4.6	431	9	9607	470		8	9891	471
	1960	2	7860	5.2	408	1	10530	466				
HOLSTEIN----	1947	36	11448	3.6	413	1	15780	553				
	1948	60	12457	3.7	462							
	1949	97	11773	3.7	437	2	12135	396				
	1950	124	11904	3.7	441	20	12372	460				
	1951	215	11447	3.7	420	56	11889	441				
	1952	252	12080	3.6	437	105	12185	445				
	1953	368	12264	3.6	446	236	11870	437		180	11176	413
	1954	467	11682	3.7	426	357	11564	424		254	11582	427
	1955	485	12352	3.7	452	401	12095	447		335	11385	422
	1956	419	12542	3.7	461	337	12391	459		315	12072	442
	1957	333	12036	3.6	437	274	12064	440		232	12424	454
	1958	275	12052	3.6	435	220	12081	440		194	11992	440
	1959	234	12640	3.7	468	213	12602	464		162	12336	453
	1960	43	12308	3.7	454	34	12164	436		26	11408	420
JERSEY-----	1947	1	4070	5.2	213							
	1948	2	4500	5.6	242							
	1949	4	6953	5.5	381							
	1950	11	7186	5.1	367	2	8540	424				
	1951	16	9180	5.2	476	1	8250	420				
	1952	10	7803	5.1	394	3	9150	463				
	1953	31	7851	5.4	418	4	8068	398		3	7968	395
	1954	26	8145	5.0	407	6	7887	406		2	8878	461
	1955	22	9531	5.4	512	8	9225	479				
	1956	10	8030	5.0	404	9	8936	459		3	7790	394
	1957	10	8641	5.0	431	6	8240	435		4	8562	454
	1958	25	8484	5.1	425	11	7665	434		2	7799	412
	1959	26	8522	5.3	446	20	8096	442		17	8965	480
	1960	11	8929	5.2	462	9	9978	526		1	7303	410
BROWN SWISS--	1949	3	6260	4.3	265							
	1950	5	7796	4.1	321							
	1951	4	8120	4.3	347							
	1952	8	6833	4.3	293	1	8540	333				
	1953	15	10399	4.2	430	7	9384	399		3	8753	358
	1954	27	10918	4.1	447	16	10475	432		12	9587	384
	1955	31	11080	4.2	458	23	11078	454		16	9865	415
	1956	30	10683	4.3	456	18	11281	474		22	11172	444
	1957	22	10750	4.2	446	11	11234	467		14	10627	422
	1958	24	10195	4.2	428	10	10345	424		9	10057	415
	1959	42	10607	4.2	442	33	10866	455		14	9941	407
	1960	12	10450	4.2	439	6	10675	466		6	11376	484
M. SHORTHORN--	1951	6	6745	4.1	272	2	6455	266				
	1952	4	6958	4.1	278							
	1953	5	6396	4.1	254	3	6950	301		3	6878	279
	1954	5	7562	3.8	293	3	8273	300		3	6340	232
	1955	1	8220	4.0	331							
	1957	1	8330	3.8	315					1	9854	335
	1958	1	7600	3.6	273	1	6950	263		1	7848	305
	1959	6	7127	3.9	284	5	7190	279		5	7349	282
ALL BREEDS--	1947	47	10554	3.9	402	3	11083	480				
	1948	75	11374	4.0	439	2	10755	512				
	1949	130	10784	4.1	427	5	10928	463				
	1950	169	10803	4.1	428	27	11548	460				
	1951	291	10582	4.0	414	74	11153	432				
	1952	313	11275	3.9	427	124	11683	443				
	1953	487	11341	3.9	437	287	11321	430		208	10769	407
	1954	609	11022	3.9	422	344	11134	421		309	11102	422
	1955	591	11872	3.9	453	465	11832	448		380	11159	422
	1956	504	12039	3.9	458	395	12057	460		368	11791	443
	1957	402	11543	3.8	434	315	11743	440		275	12024	451
	1958	347	11442	3.8	432	255	11643	438		217	11725	440
	1959	322	11801	3.9	458	280	11883	458		206	11679	449
	1960	69	11269	4.1	451	51	11518	455		34	11151	428

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1950	1	8170	4.1	331						
	1951	3	9097	4.1	368						
	1952	3	9610	4.2	399						
	1953	27	10059	4.2	420						
	1954	79	9506	4.2	396	2	10275	465			
	1955	104	9302	4.2	366	3	10043	428	3	9374	390
	1956	86	9484	4.2	395	7	10244	422	7	10495	429
	1957	88	8802	4.2	365	8	10560	448			
	1958	56	8414	4.1	342	11	9505	375	10	10060	395
	1959	94	9391	4.2	397	59	9990	405	63	9120	401
	1960	47	9352	4.1	388	41	9366	387	33	9864	398
GUERNSEY----	1949	2	6155	4.5	275						
	1950	2	6945	4.2	293						
	1951	1	10230	4.8	494						
	1952	10	6836	5.2	354						
	1953	35	7780	5.1	394	1	8690	457			
	1954	65	7640	5.2	395	2	8250	422			
	1955	74	7466	5.1	376	2	8720	442	2	8001	399
	1956	59	7947	5.0	394	1	6250	323	5	7050	349
	1957	44	7873	5.0	387	3	10247	461			
	1958	23	7707	5.1	392	6	8327	377	1	8785	493
	1959	10	7673	4.8	372	7	8394	393	6	9517	452
	1960	3	8040	4.8	363	2	9035	447	1	9548	470
HOLSTEIN----	1947	3	11010	3.7	406						
	1948	3	9493	3.7	346						
	1949	6	10367	3.7	366						
	1950	11	12985	3.6	464						
	1951	22	11380	3.7	422						
	1952	36	11780	3.5	410	2	14355	548			
	1953	102	11773	3.6	422	2	14710	536			
	1954	295	12063	3.6	433	6	15448	565			
	1955	442	12023	3.6	432	20	14292	514	17	12228	440
	1956	485	12355	3.7	453	35	13113	475	32	12683	458
	1957	487	11665	3.7	432	51	12377	458			
	1958	424	11874	3.7	437	139	12284	455	171	11950	443
	1959	581	12275	3.7	457	468	12187	456	404	11828	441
	1960	101	12163	3.7	452	78	11802	441	65	12058	444
JERSEY-----	1950	3	5857	5.8	341						
	1951	3	6550	5.4	357						
	1952	7	7140	5.4	380						
	1953	19	7074	5.1	359						
	1954	23	7269	5.1	372						
	1955	23	7377	5.1	373						
	1956	13	7407	5.3	394						
	1957	11	6888	4.9	339						
	1958	27	7714	5.5	421	9	8016	430	5	7807	375
	1959	46	7440	5.4	396	27	7224	379	20	7272	381
	1960	15	6527	5.0	331	9	7137	367	10	7273	389
BROWN SWISS--	1949	1	9300	4.6	431						
	1952	2	10140	4.6	462						
	1953	3	7550	4.4	327						
	1954	27	10867	4.3	468	2	10410	467			
	1955	34	10374	4.2	438	2	8305	358	3	10253	446
	1956	46	10589	4.2	448	2	11695	519	2	10889	440
	1957	47	10051	4.3	427	5	9192	374			
	1958	35	9213	4.2	394	6	9738	405	8	10186	440
	1959	78	9299	4.4	405	45	9878	411	53	9631	402
	1960	20	9762	4.1	405	14	10004	417	12	9595	399
M. SHORTHORN--	1954	7	7010	4.1	288						
	1955	10	7829	3.9	305	1	8980	357	1	5352	221
	1956	11	7170	3.9	283	1	8470	326	2	7276	291
	1957	9	7324	3.9	285	2	7515	272			
	1958	5	7564	3.6	273	1	8250	282	2	6786	281
	1959	19	8139	3.9	320	14	7354	286	14	8047	303
	1960	9	8507	3.8	321	9	8003	308	8	8682	325
ALL BREEDS--	1947	3	11010	3.7	406						
	1948	3	9493	3.7	346						
	1949	9	9312	4.0	366						
	1950	17	10734	4.1	414						
	1951	29	10604	4.0	412						
	1952	58	10199	4.1	398	2	14355	548			
	1953	186	10225	4.1	409	3	12703	510			
	1954	496	10718	4.0	419	12	12547	508			
	1955	687	10822	3.9	415	28	12821	483	26	11082	423
	1956	700	11341	3.9	436	46	12365	462	48	11477	435
	1957	686	10811	3.9	417	69	11702	446			
	1958	570	10967	3.9	421	172	11632	443	197	11609	437
	1959	828	11249	4.0	438	560	11363	438	560	11033	427
	1960	195	10573	4.0	415	153	10451	412	129	10668	416

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERO RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1952	3	7580	4.3	322	2	9510	386			
	1953	22	9296	4.2	389	18	8185	325	18	7961	314
	1954	54	8097	4.0	329	40	8139	326	34	8252	322
	1955	46	7890	3.9	312	36	8485	338	33	8512	336
	1956	37	8433	4.2	351	31	9457	389	29	9750	391
	1957	23	9031	4.0	363	22	9248	375	21	8594	346
	1958	18	8911	4.0	351	10	8930	358	10	9650	390
	1959	64	8974	4.1	370	64	8872	357	63	9481	380
	1960	19	8306	3.9	322	18	8805	345	19	9270	365
GUERNSEY----	1947	54	7924	4.9	385						
	1948	24	8067	5.0	405	2	8800	431			
	1949	32	7817	5.0	393	5	8800	378			
	1950	39	7960	5.0	394	18	8904	423			
	1951	47	7643	4.9	369	32	8502	403			
	1952	77	7932	4.8	382	61	8551	400			
	1953	95	7816	4.8	373	86	8420	379	74	8423	367
	1954	141	7765	4.8	371	132	8523	385	125	8478	369
	1955	137	7480	4.8	357	131	8243	373	127	8759	395
	1956	123	7266	4.7	342	118	8361	381	108	8175	370
	1957	57	8065	4.7	375	52	8610	389	51	8196	375
	1958	17	7294	4.7	344	14	8047	374	15	8574	406
	1959	21	8115	4.6	373	17	8013	379	17	8165	386
	1960	4	8995	4.9	441	4	7945	386	4	8186	406
HOLSTEIN----	1947	31	12012	3.8	458	3	14770	542			
	1948	18	12099	3.8	456	1	15040	469			
	1949	36	11458	3.8	430	9	11960	463			
	1950	55	11293	3.7	419	12	12415	454			
	1951	75	11168	3.7	418	37	11595	435			
	1952	105	11704	3.7	433	72	11857	450			
	1953	124	11822	3.7	439	113	11416	439	107	11354	437
	1954	164	11506	3.7	424	154	11167	428	131	11688	445
	1955	190	11417	3.7	421	186	10904	416	171	11122	419
	1956	201	11228	3.8	425	196	11038	427	178	10933	418
	1957	179	11615	3.8	441	166	11580	444	156	10899	420
	1958	214	12031	3.7	443	183	12219	448	172	12296	456
	1959	312	12280	3.7	455	311	12000	446	303	12335	460
	1960	45	11330	3.8	426	42	11608	437	45	12044	450
JERSEY-----	1947	36	8167	5.0	409						
	1948	18	8421	5.2	434	4	8190	422			
	1949	24	7859	5.3	412	8	6765	363			
	1950	31	7710	5.3	402	14	7427	392			
	1951	36	7342	5.1	371	24	6895	358			
	1952	49	6818	5.1	348	42	7013	364			
	1953	59	6882	5.1	354	49	6902	356	29	7229	376
	1954	52	7025	5.3	368	44	7363	388	44	7354	384
	1955	30	6731	5.5	366	24	7048	377	23	7263	383
	1956	26	7527	5.2	392	17	7644	409	17	7182	382
	1957	12	7671	5.3	404	8	8379	456	4	6927	364
	1958	45	8508	5.3	450	26	8195	425	42	8388	436
	1959	33	7505	5.3	400	30	7605	396	33	7977	414
	1960	9	6132	5.2	320	8	6798	369	9	7348	391
BROWN SWISS--	1952	4	10040	4.6	453						
	1953	3	9377	4.5	422						
	1954	1	6750	4.1	280						
	1955	1	11380	4.4	506						
	1956	1	9840	4.6	448	1	10960	478	1	10987	479
	1957	1	8230	4.3	351	1	11550	508	1	11739	510
	1958	8	9473	4.3	404	4	9453	411	4	11500	491
	1959	6	11318	4.1	460				4	13227	508
	1960	1	11780	4.6	548				1	15347	566
ALL BREEDS---	1947	121	9043	4.7	411	3	14770	542			
	1948	60	9383	4.7	429	7	9343	431			
	1949	92	9253	4.6	412	22	9353	407			
	1950	125	9365	4.5	407	44	9392	422			
	1951	158	9248	4.4	393	93	9318	404			
	1952	238	9398	4.4	398	177	9542	412			
	1953	303	9396	4.4	398	266	9397	396	228	9610	403
	1954	412	9202	4.3	386	370	9444	397	334	9566	404
	1955	404	9332	4.2	383	377	9503	391	354	9780	400
	1956	388	9454	4.2	390	363	9874	408	333	9744	398
	1957	272	10466	4.1	419	249	10651	427	233	10035	403
	1958	302	10986	4.0	432	237	11346	437	243	11268	447
	1959	436	11219	3.9	434	422	11053	426	420	11404	442
	1960	78	9879	4.0	391	72	10169	403	78	10671	421

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
						RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1947	1	11550	4.0	467						
	1948	2	8785	3.7	325						
	1949	9	9420	4.0	377						
	1950	49	9347	4.1	382	16	10386	433			
	1951	71	8893	4.2	369	39	9344	379			
	1952	130	8654	4.1	356	82	9280	376			
	1953	146	8375	4.1	346	117	9104	368	111	8820	357
	1954	197	8754	4.1	361	169	9138	370	156	8855	357
	1955	187	8279	4.1	341	166	8780	357	145	9034	363
	1956	188	8753	4.2	364	174	9102	372	150	8989	361
	1957	122	9263	4.2	385	115	9477	388	100	9535	391
	1958	107	9273	4.2	385	96	9574	388	71	9813	402
	1959	163	9642	4.1	396	152	9588	391	143	9967	407
	1960	30	8873	4.3	383	30	8773	366	25	9847	413
GUERNSEY----	1947	11	7421	5.0	373						
	1948	18	8299	4.8	400	2	9365	455			
	1949	46	8769	4.8	419	16	9618	451			
	1950	94	8221	4.9	400	29	9575	455			
	1951	164	7856	4.9	382	75	8637	399			
	1952	285	7751	4.9	377	159	8757	400			
	1953	400	7913	4.9	383	302	8700	393	281	8513	391
	1954	529	7948	4.9	389	436	8688	395	402	8693	396
	1955	506	7811	4.9	383	454	8678	396	417	8769	402
	1956	378	7980	4.9	389	324	9006	412	309	8920	410
	1957	264	8212	4.8	396	231	9183	418	201	9069	415
	1958	174	8373	4.8	403	136	9224	414	111	9576	431
	1959	97	8018	4.8	382	83	8421	391	65	8896	417
	1960	11	7790	4.6	357	8	7840	389	9	8208	405
HOLSTEIN----	1947	32	10793	3.7	396	6	13480	475			
	1948	28	12371	3.7	453	7	11716	429			
	1949	72	12432	3.7	460	30	12632	465			
	1950	222	11484	3.7	425	88	11744	442			
	1951	386	11332	3.7	421	192	11334	425			
	1952	676	11210	3.7	416	416	11145	417			
	1953	1044	11444	3.7	425	747	11175	419	636	10739	406
	1954	1385	11433	3.7	426	1102	11102	420	963	10794	409
	1955	1791	11330	3.8	424	1566	10974	417	1408	11140	423
	1956	1852	11721	3.8	441	1691	11572	439	1496	11383	436
	1957	1816	12081	3.8	456	1710	11959	455	1461	11707	449
	1958	2093	12161	3.8	459	1754	12000	456	1430	12141	460
	1959	2551	12331	3.8	465	2478	12190	460	2175	12410	469
	1960	507	12038	3.8	451	471	12125	454	329	12266	460
JERSEY-----	1947	1	7580	5.2	394						
	1948	4	6380	5.0	320	1	8170	400			
	1949	17	7643	5.1	392	3	8627	462			
	1950	54	7726	5.2	402	11	8272	435			
	1951	95	8438	5.3	448	26	8218	424			
	1952	149	8195	5.3	433	43	7768	402			
	1953	188	7911	5.3	419	68	7689	401	63	7966	412
	1954	166	8000	5.3	423	74	7727	398	71	7670	396
	1955	130	7889	5.1	405	55	7514	387	53	7957	411
	1956	97	8434	5.1	429	43	7992	406	40	7813	397
	1957	70	8339	5.0	417	24	8435	434	18	8006	413
	1958	105	7551	5.2	388	42	7816	402	50	8435	435
	1959	151	7444	5.2	383	79	7766	401	79	8196	425
	1960	30	8195	5.1	421	19	8018	408	14	7815	405
BROWN SWISS--	1948	1	7270	4.0	288						
	1949	1	6870	4.2	291						
	1953	2	10165	4.1	416						
	1954	9	9474	4.2	389						
	1955	19	9042	4.3	387	1	8100	361	1	7815	344
	1956	45	9834	4.4	433	7	8954	347	6	8914	349
	1957	54	10444	4.2	446	12	9345	367	14	9600	379
	1958	109	10249	4.1	425	31	9498	382	51	10030	396
	1959	141	10511	4.2	447	21	10157	422	79	10342	417
	1960	21	8473	4.2	353				16	10266	420
ALL BREEDS--	1947	45	9914	4.1	392	6	13480	475			
	1948	53	10305	4.2	417	10	10891	431			
	1949	145	10483	4.3	433	49	11403	460			
	1950	419	10018	4.2	411	144	10891	443			
	1951	716	9910	4.2	410	332	10247	414			
	1952	1240	9785	4.2	403	700	10177	407			
	1953	1780	10024	4.2	409	1234	10181	407	1091	9810	398
	1954	2286	10139	4.2	411	1781	10185	409	1592	9934	400
	1955	2633	10251	4.1	409	2242	10261	407	2024	10416	414
	1956	2560	10793	4.0	427	2239	10932	429	2001	10744	425
	1957	2326	11344	4.0	444	2092	11460	446	1794	11237	441
	1958	2588	11520	3.9	448	2059	11581	448	1713	11708	453
	1959	3103	11734	3.9	454	2813	11799	452	2541	11967	461
	1960	599	11484	3.9	441	528	11722	446	393	11779	452

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1954	6	6595	4.1	269						
	1955	5	6812	4.3	291						
	1956	5	6208	3.8	236	1	11850	555	1	7597	323
	1957	3	6700	4.0	271	1	8870	342	1	7303	315
	1958	2	6700	3.8	254						
	1959	18	9257	4.3	393	17	9359	396	3	8059	333
	1960	10	10393	4.4	444	7	10914	455	4	9467	399
GUERNSEY----	1947	50	6850	5.0	340						
	1948	12	7108	5.0	351						
	1949	16	7774	4.9	383						
	1950	29	7642	5.0	380						
	1951	56	7088	4.8	340	1	6060	269			
	1952	99	7651	4.9	372	3	9050	412			
	1953	192	7567	5.0	374	10	8712	425			
	1954	226	7474	4.9	368	21	8506	415			
	1955	230	7605	5.0	380	37	8034	404	11	9645	382
	1956	202	7805	4.9	382	33	8539	414	32	8377	394
	1957	141	8092	4.9	400	36	8870	435	40	8725	417
	1958	131	8421	4.9	409	56	9530	431	52	9710	436
	1959	57	8640	4.8	417	46	9119	423	39	9143	425
	1951	106	11105	3.7	404	1	14420	509			
	1952	224	11549	3.7	422	8	12781	465			
	1953	443	11651	3.7	426	24	12943	478			
	1954	581	11779	3.7	433	57	13011	488			
	1955	799	11849	3.8	444	106	13084	494	30	10074	386
	1956	1100	12394	3.7	462	173	13417	507	185	12327	466
	1957	1023	12328	3.8	463	237	13202	498	242	12671	479
	1958	1263	12471	3.7	465	625	12665	475	606	12458	470
	1959	1861	12926	3.7	478	1799	12721	476	1521	12566	474
	1960	447	12969	3.7	480	412	13120	491	362	13247	495
JERSEY-----	1948	1	7590	5.3	404						
	1950	5	6900	5.6	384						
	1951	9	7093	5.8	408						
	1952	26	8060	5.5	437	1	9400	477			
	1953	44	7428	5.4	402	3	6800	355			
	1954	56	7571	5.5	413	3	9180	463			
	1955	40	7518	5.4	402	3	9560	466			
	1956	44	7692	5.3	407	3	9977	528	4	8369	439
	1957	37	8293	5.2	431	2	8700	437	3	9563	495
	1958	58	8221	5.1	414	11	8551	424	12	8415	438
	1959	97	7870	5.2	407	50	8371	425	36	8665	443
	1960	32	7809	5.0	394	17	8459	427	25	8755	435
BROWN SWISS--	1953	1	12140	4.8	581						
	1955	2	8935	4.2	370						
	1956	3	9320	4.2	394	1	11240	508	1	11129	441
	1957	7	11374	4.1	461	2	9465	427	2	10786	455
	1958	15	10887	4.1	449	3	10587	439	1	10922	459
	1959	19	10492	4.4	458	11	10761	450	10	10609	443
	1960	4	9708	4.0	387	1	10440	406	2	11320	472
ALL BREEDS--	1947	75	7679	4.6	341						
	1948	21	8176	4.5	363						
	1949	42	9162	4.1	365						
	1950	101	9420	4.1	373						
	1951	171	9579	4.1	383	2	10240	389			
	1952	349	10184	4.2	409	12	11567	453			
	1953	680	10225	4.1	410	37	11301	454			
	1954	869	10352	4.1	414	81	11701	468			
	1955	1076	10752	4.1	428	146	11731	471	41	9959	385
	1956	1354	11527	4.0	447	211	12587	493	223	11663	454
	1957	1211	11692	3.9	454	278	12566	488	286	12059	469
	1958	1469	11918	3.9	457	695	12339	471	671	12171	466
	1959	2052	12513	3.8	472	1923	12481	472	1611	12370	471
	1960	508	12426	3.8	470	450	12787	485	404	12806	488

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE, IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1948	3	8750	4.3	373						
	1949	7	8387	4.5	374						
	1950	14	7794	4.3	330						
	1951	16	6918	4.2	289						
	1952	9	7181	4.2	305						
	1953	11	8095	4.2	343						
	1954	11	8029	4.4	349	1	12330	531			
	1955	36	8970	4.4	392	2	11020	452	2	9963	426
	1956	44	8834	4.2	373	3	9767	416	3	10609	445
	1957	24	9557	4.1	389	5	9834	420	5	9496	387
	1958	14	8971	4.0	363	8	9254	385	8	9802	402
	1959	21	10039	3.9	395	20	9760	392	11	9049	365
	1960	8	9261	3.9	365	5	8852	353	3	6702	350
GUERNSEY----	1948	5	8400	4.6	382						
	1949	15	7096	4.8	334						
	1950	27	6561	4.8	315						
	1951	30	6762	4.9	327						
	1952	56	6549	4.8	316	2	6550	289			
	1953	54	6709	4.8	324	3	6310	295			
	1954	57	7681	4.8	367	4	8428	412			
	1955	42	8141	4.8	391	5	7766	366	5	7846	366
	1956	37	7517	4.8	359	7	7320	350	9	8136	404
	1957	23	7863	4.7	370	7	6591	314	9	7924	370
	1958	20	7931	4.7	370	11	8725	386	6	8560	377
	1959	17	7346	4.7	344	16	7649	345	17	8027	361
HOLSTEIN----	1947	7	14079	3.5	491						
	1948	4	11095	3.6	399						
	1949	27	11462	3.7	424						
	1950	45	10946	3.7	410						
	1951	86	10960	3.7	407	1	8940	523			
	1952	122	10865	3.7	401	4	11170	444			
	1953	154	10587	3.7	394	7	11299	430			
	1954	183	11405	3.7	421	10	11859	455			
	1955	240	11451	3.7	420	27	11064	426	32	10662	406
	1956	277	11061	3.6	401	38	10718	401	43	10652	407
	1957	252	10734	3.6	387	63	10841	403	61	10200	374
	1958	256	11041	3.6	400	149	11329	416	144	10942	406
	1959	373	11616	3.6	419	347	11316	413	285	11470	422
	1960	45	12384	3.5	428	39	11953	427	30	11602	422
JERSEY-----	1948	8	6524	5.3	343	3	6317	339			
	1949	25	7456	5.3	392	8	7263	365			
	1950	25	6315	5.3	332	3	7200	377			
	1951	38	6633	5.3	352						
	1952	39	6774	5.3	360						
	1953	56	6688	5.3	351	1	5650	313			
	1954	57	6800	5.3	361	2	8350	447			
	1955	42	6937	5.4	369	1	6850	293	2	7184	371
	1956	31	6958	5.4	376	1	7780	416	1	6595	373
	1957	24	6868	5.3	361	4	7840	362	4	7251	340
	1958	45	7033	5.0	352	20	6806	348	20	7199	368
	1959	47	6679	5.0	336	40	6936	350	38	7209	363
	1960	11	8850	5.0	421	10	7242	362	4	7409	355
BROWN SWISS--	1956	3	8190	4.2	346						
	1957	2	6615	4.2	277						
ALL BREEDS--	1947	7	14079	3.5	491						
	1948	20	8241	4.6	367	3	6317	339			
	1949	74	8933	4.5	390	8	7263	365			
	1950	111	8439	4.4	359	3	7200	377			
	1951	170	8872	4.3	369	1	8940	523			
	1952	226	8943	4.3	367	6	9630	392			
	1953	275	8932	4.3	370	11	9425	382			
	1954	308	9743	4.2	397	17	10666	448			
	1955	360	10290	4.1	408	35	10470	415	41	10115	400
	1956	392	10130	4.0	391	49	10114	395	56	10269	408
	1957	325	10133	3.9	383	79	10249	394	79	9747	372
	1958	335	10230	3.9	390	188	10607	406	178	10390	401
	1959	461	10822	3.8	405	425	10664	403	351	10766	411
	1960	64	11386	3.8	419	54	10793	408	37	10914	409

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRELS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1947	1	10240	3.5	359						
	1949	2	8670	3.8	328						
	1950	3	8157	4.0	320						
	1951	22	7071	4.0	285	2	9760	404			
	1952	16	7534	4.0	308	3	8117	335			
	1953	9	8352	3.9	324	5	8276	320	4	7167	286
	1954	17	8469	4.1	347	8	8259	322	8	9028	347
	1955	16	8209	4.1	339	10	9848	382	6	8411	342
	1956	20	9091	4.0	367	13	8826	356	11	7870	312
	1957	22	9419	4.1	380	14	9041	364	5	9459	375
	1958	11	8145	4.0	326	8	8128	351	4	9480	398
	1959	53	8801	4.0	353	52	8793	347	38	8539	340
	1960	18	9133	3.8	355	17	9935	397	12	9995	402
GUERNSEY----	1949	1	9450	4.5	426						
	1951	13	8910	5.0	442	4	9778	384			
	1952	41	7748	4.8	369	18	8484	372			
	1953	70	7961	4.8	381	36	8162	369	20	7687	354
	1954	132	7387	4.8	354	113	7707	354	79	7849	359
	1955	161	7445	4.8	352	142	8219	371	135	7950	367
	1956	146	8002	4.7	376	130	8777	388	98	8175	365
	1957	106	8202	4.6	378	86	8908	397	86	8848	395
	1958	99	8139	4.6	371	71	9035	402	50	8555	381
	1959	86	7661	4.6	352	71	8481	371	60	7960	381
	1960	13	7305	4.4	318	12	8353	358	13	8271	361
HOLSTEIN----	1947	5	11668	3.3	384	1	13190	428			
	1948	9	10460	3.6	374	1	13180	448			
	1949	7	11833	3.9	466	2	11640	461			
	1950	25	10736	3.5	377	9	12816	445			
	1951	55	11232	3.6	398	24	11498	396			
	1952	182	11496	3.5	406	131	11558	406			
	1953	399	11522	3.6	415	294	11270	407	172	10322	376
	1954	649	11251	3.7	409	562	11257	407	506	10967	400
	1955	744	10940	3.7	399	674	10998	401	590	10982	404
	1956	816	11731	3.6	425	767	11541	424	632	10738	398
	1957	706	11730	3.7	426	654	11644	427	612	11441	421
	1958	719	11717	3.7	428	616	10886	423	470	11625	430
	1959	1475	11762	3.7	431	1422	11555	431	1322	11793	435
	1960	234	12461	3.6	454	214	12185	457	223	12260	453
JERSEY-----	1949	1	4780	5.3	253						
	1950	4	5995	6.0	354	1	6480	387			
	1951	14	6357	5.2	334	2	8050	414			
	1952	43	7054	5.1	359	7	7944	409			
	1953	64	7925	5.2	408	30	8489	433	20	8287	415
	1954	80	7587	5.1	388	54	7968	396	49	7558	377
	1955	75	7184	5.1	367	54	7549	376	51	7492	372
	1956	60	8047	4.9	398	41	8268	410	40	7447	370
	1957	37	7594	5.1	384	21	8587	413	20	8074	390
	1958	66	7393	5.1	378	28	7895	397	24	7773	393
	1959	168	7346	5.1	372	121	7366	366	123	7742	376
	1960	44	7717	4.9	380	40	7542	371	36	7748	383
BROWN SWISS-	1952	1	5840	4.1	241	1	7630	293			
	1953	2	10855	4.1	438	1	8630	344	1	8121	314
	1954	6	8808	4.3	380	1	9530	374	1	10224	410
	1955	12	8125	4.3	347						
	1956	2	10820	4.2	449						
	1957	7	11759	4.1	482	3	9057	360			
	1958	4	10300	3.8	403	3	8940	352	3	8771	351
	1959	16	9456	4.1	387	13	8313	345	9	8425	350
ALL BREEDS--	1960	3	10733	4.1	444	1	7900	324	3	9436	356
	1947	6	11430	3.3	380	1	13190	428			
	1948	9	10460	3.6	374	1	13180	448			
	1949	11	10400	4.1	418	2	11640	461			
	1950	32	9901	3.9	369	10	12182	439			
	1951	104	9405	4.1	371	32	10959	396			
	1952	283	10034	4.0	387	160	10965	401			
	1953	544	10586	4.0	408	366	10688	404	217	9824	376
	1954	884	10272	4.0	398	738	10438	397	643	10299	393
	1955	1008	10026	4.0	388	880	10325	395	782	10211	395
	1956	1044	10945	3.9	416	951	10985	418	781	10207	391
	1957	878	11072	3.8	418	778	11202	422	723	11026	417
	1958	899	10956	3.9	417	726	10552	419	551	11148	423
	1959	1798	11045	3.9	419	1679	11012	420	1552	11224	425
	1960	312	11368	3.9	432	284	11219	436	287	11389	437

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORDS NO.	HERD MILK LB.	AVERAGE FAT LB.
						RECORDS NO.	MILK LB.	AV. FAT LB.			
AYRSHIRE----	1954	1	9330	4.7	44.1						
	1957	2	7305	4.3	313						
	1958	1	7560	4.3	325						
GUERNSEY----	1950	1	6060	5.1	311						
	1951	15	8281	4.6	382						
	1952	59	7722	4.7	358	1	9240	388			
	1953	81	7609	4.7	359	2	9415	453			
	1954	77	7449	4.8	354	10	8863	409			
	1955	49	7188	4.8	345	24	8229	371			
	1956	113	7299	4.6	337	27	7658	352			
	1957	61	7695	4.5	347	82	8573	380	10	6242	296
	1958	69	7960	4.4	348	51	8369	367	35	8470	374
	1959	58	7837	4.3	337	54	8255	363	36	7640	359
	1960	11	8099	4.3	349	53	7976	347	36	7938	348
						11	8015	349	39	7864	347
									7	7479	328
HOLSTEIN----	1950	8	12604	3.6	447	2	15035	513			
	1951	26	11800	3.7	431	7	12554	447			
	1952	60	12103	3.8	454	13	13184	465			
	1953	87	12389	3.6	447	44	12763	449			
	1954	70	11662	3.6	422	40	11905	424			
	1955	107	11365	3.6	412	93	11326	412			
	1956	134	11006	3.6	398	129	10919	400	28	11097	394
	1957	81	10671	3.8	401	74	11013	415	78	10005	374
	1958	144	10580	3.6	382	111	10986	397	26	9884	374
	1959	321	11238	3.6	400	313	11045	394	31	10541	389
	1960	83	11769	3.4	407	79	11148	388	170	10956	385
									73	11322	388
	JERSEY-----	1950	6	7705	5.2	399					
1951		17	6738	5.2	352						
1952		14	5995	5.3	313						
1953		11	6290	5.4	334						
1954		5	6680	5.0	334						
1955		1	6180	5.5	339						
1956		1	3860	5.4	209						
1957		5	6090	5.1	314						
1958		2	8240	5.0	414						
1959		22	7695	5.2	397	16	8153	399	7	8142	389
1960		13	8572	5.0	415	11	8265	401	10	7656	386
BROWN SWISS--		1950	1	11370	3.9	442					
	1951	11	12428	3.8	475						
	1952	27	11297	3.9	441	1	15300	595			
	1953	39	11944	4.0	479	2	12010	490			
	1954	33	12648	4.0	507						
	1955	29	11664	4.0	465						
	1956	46	12063	3.9	476	1	9440	426			
	1957	55	10443	4.0	415	8	9561	397			
	1958	54	10315	3.9	406						

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1953	1	11200	4.3	478	1	8310	355	1	6453	315
	1955	6	9292	3.9	362	3	10207	389			
	1956	11	8488	3.9	326	8	7955	310	3	7401	291
	1957	4	6478	4.0	261	3	6517	265			
	1958	7	8733	3.7	329	4	8553	328			
	1959	2	11225	3.9	439	2	9285	361	2	9941	385
	1960	3	11010	3.9	433	3	9897	400			
GUERNSEY----	1950	1	4890	5.1	251						
	1951	4	6170	5.2	316	1	6510	316			
	1952	13	6952	5.0	343						
	1953	27	6480	5.0	324	16	7116	300	4	7581	330
	1954	36	6446	5.0	322	19	7932	318	11	6703	277
	1955	64	7336	4.7	343	54	8713	351	40	8382	337
	1956	97	7600	4.6	350	85	9462	385	73	8531	345
	1957	44	6844	4.7	323	37	8462	347	33	8582	352
	1958	32	6905	4.6	319	26	9090	375	22	8465	345
	1959	9	7290	4.8	346	8	7683	359	8	7757	350
HOLSTEIN----	1948	3	11743	3.8	444						
	1949	6	11635	3.8	437						
	1950	9	11127	3.8	420						
	1951	5	12080	3.7	443	2	11340	434			
	1952	21	9908	3.7	370	4	10325	377			
	1953	76	10278	3.7	375	43	10218	385	6	8720	316
	1954	144	10129	3.6	367	100	9814	362	70	8827	342
	1955	170	10243	3.7	376	147	9773	375	120	9253	356
	1956	218	11059	3.7	410	212	10156	390	174	9363	362
	1957	201	10619	3.8	395	179	10102	386	146	9470	371
	1958	211	10817	3.7	397	179	9632	371	126	9577	366
	1959	316	12089	3.7	443	302	11264	425	284	11301	427
	1960	63	12662	3.7	461	62	11672	442	30	9624	387
JERSEY-----	1949	1	6720	4.9	333						
	1951	6	7740	4.9	379						
	1952	14	6802	5.2	350	1	8070	403			
	1953	47	7010	5.1	355	17	7344	370	12	6823	347
	1954	55	7103	5.0	353	21	7530	375	19	7365	368
	1955	71	7165	5.0	360	27	7503	374	17	7242	364
	1956	75	7496	4.9	363	20	8767	437	18	7474	379
	1957	69	7367	5.0	364	27	7970	399	16	8220	406
	1958	106	7493	5.0	372	34	8717	428	26	8193	389
	1959	123	8054	5.0	403	76	8344	415	72	8424	410
	1960	35	7794	4.9	386	19	8514	425	18	9049	415
BROWN SWISS--	1954	1	5030	4.5	227						
	1955	1	7190	4.2	302	1	7980	343			
	1956	11	9466	3.9	357						
	1957	10	10519	4.1	427	1	10700	421			
	1958	12	9737	4.2	410						
	1959	23	10606	4.1	432	5	10916	433	2	12982	517
	1960	2	11270	3.8	431	1	15930	563			
ALL BREEDS--	1948	4	9313	4.2	361						
	1949	7	10933	3.9	422						
	1950	10	10503	3.9	403						
	1951	15	8768	4.6	384	3	9730	394			
	1952	48	8201	4.5	357	5	9874	382			
	1953	151	8588	4.4	360	77	8914	364	23	7434	334
	1954	236	8840	4.2	356	141	9208	358	100	8320	340
	1955	312	8918	4.2	365	231	9266	369	177	8863	352
	1956	412	9485	4.2	383	325	9835	390	268	8987	358
	1957	328	9375	4.2	378	247	9582	380	195	9217	371
	1958	368	9444	4.2	382	243	9428	379	174	9232	367
	1959	473	10873	4.1	430	393	10612	422	368	10663	422
	1960	103	10933	4.1	434	85	10953	438	48	9408	397

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORDS NO.	HERO MILK LB.	AVERAGE FAT LB.
						RECORDS NO.	MILK LB.	AV. FAT LB.			
AYRSHIRE----	1951	1	4750	4.5	212						
	1952	3	6680	4.1	276						
	1953	1	5420	4.0	218						
	1957	3	7773	3.9	299						
	1958	3	9070	4.0	357						
GUERNSEY----	1949	1	10280	4.1	425	1	8320	365			
	1950	2	6850	4.5	307	1	7960	353			
	1951	5	7702	4.6	352	2	8590	350			
	1952	24	7379	4.7	342	17	8161	370			
	1953	58	7993	4.8	381	51	8286	383	26	8393	389
	1954	106	7718	4.8	365	97	8265	379	93	7582	354
	1955	111	8538	4.7	399	104	8926	410	91	8443	397
	1956	118	8645	4.6	396	102	9091	419	95	8902	417
	1957	96	8132	4.5	366	76	9007	403	76	8473	396
	1958	28	8635	4.3	367	23	9140	404	21	8645	390
	1959	27	8770	4.4	384	21	8034	363	20	8132	365
	1960	7	8809	4.4	384	6	8378	373			
HOLSTEIN----	1951	1	8710	3.9	343	1	8760	403			
	1952	10	9327	3.6	338	2	9700	435			
	1953	24	10499	3.7	382	10	8458	382	8	8058	361
	1954	39	10304	3.8	395	20	8272	374	17	8177	366
	1955	43	10197	3.8	382	28	8526	378	24	8430	372
	1956	43	10840	3.9	427	27	9530	410	16	9731	442
	1957	67	10213	3.7	382	44	9236	371	30	8675	376
	1958	36	10437	3.6	377	19	9987	387	18	8769	351
	1959	56	13105	3.6	469	52	11691	436	52	10758	427
	1960	7	14063	3.5	494	7	11987	456	4	11467	455
JERSEY-----	1951	7	7696	5.0	393	1	7550	391			
	1952	53	7441	5.0	368	16	8033	401			
	1953	137	7228	5.1	364	45	7404	370	10	7765	383
	1954	159	7662	5.1	389	66	7497	375	62	7453	362
	1955	170	8230	5.0	412	69	8096	403	68	7502	376
	1956	161	8236	5.0	411	66	8490	416	66	8222	410
	1957	140	7810	5.0	385	65	8389	418	64	8225	404
	1958	161	8037	4.9	395	70	8275	412	58	7939	391
	1959	130	8107	5.2	418	87	8217	414	63	8084	411
	1960	31	8284	5.1	420	23	8417	410	7	7820	397
BROWN SWISS--	1954	4	8175	4.4	357	1	8570	329			
	1955	2	9025	4.3	385						
	1956	6	9500	4.0	381						
	1957	2	8650	3.9	337						
	1958	6	10405	4.2	436						
	1959	5	10530	4.4	459	3	10917	437	3	8785	360
	1960	1	11900	3.3	389						
ALL BREEOS--	1949	1	10280	4.1	425	1	8320	365			
	1950	2	6850	4.5	307	1	7960	353			
	1951	14	7560	4.7	362	4	8373	373			
	1952	90	7609	4.7	355	35	8190	388			
	1953	220	7778	4.8	370	106	7928	378	44	8189	383
	1954	308	8022	4.8	381	184	7992	377	172	7594	358
	1955	326	8599	4.7	403	201	8585	403	183	8091	386
	1956	328	8747	4.7	407	195	8948	417	177	8723	417
	1957	308	8438	4.5	378	185	8844	401	170	8415	395
	1958	234	8552	4.6	390	112	8743	406	97	8246	383
	1959	218	9528	4.7	428	163	9351	415	138	9114	410
	1960	46	9322	4.7	425	36	9105	413	11	9146	410

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1951	2	11720	4.0	464	1	8850	333			
	1952	2	10485	3.8	398	1	10000	390			
	1953	1	10610	4.2	444						
	1954	1	8000	3.4	270	1	9180	348	1	8306	326
	1958	2	6305	4.4	273	2	6860	264			
	1959	1	8120	3.7	304						
GUERNSEY----	1947	1	7660	5.4	412						
	1949	2	6950	4.5	313						
	1950	9	7953	4.7	372	4	8453	379			
	1951	18	8052	4.5	359	5	9726	382			
	1952	35	7043	4.7	327	15	8021	336			
	1953	60	7333	4.6	340	44	8158	343	25	8313	336
	1954	76	7383	4.6	337	62	8729	367	46	8151	344
	1955	66	7892	4.8	376	52	8714	387	38	8532	376
	1956	48	8008	4.8	378	33	9578	427	26	9200	396
	1957	45	8372	4.8	402	30	9590	410	23	8840	392
	1958	43	7816	4.8	373	25	8303	370	22	8917	392
	1959	38	7821	4.7	365	32	8150	368	32	8339	376
	1960	5	7630	4.8	368	4	9798	409	2	7325	338
HOLSTEIN----	1947	1	10450	3.6	378						
	1948	9	12021	3.7	439	1	11820	397			
	1949	15	12311	3.7	453	6	14058	521			
	1950	29	10853	3.7	396	13	11491	404			
	1951	100	11324	3.6	407	59	11251	408			
	1952	205	10734	3.6	387	139	10666	387			
	1953	342	10752	3.6	387	303	10548	380	201	10398	373
	1954	456	11172	3.6	404	418	10946	399	353	10254	371
	1955	536	11126	3.7	406	503	11198	410	383	10926	401
	1956	529	11592	3.6	419	508	11788	430	327	10867	402
	1957	542	11381	3.7	413	505	11811	434	420	11397	420
	1958	513	11595	3.6	417	366	11820	434	321	11401	421
	1959	681	11956	3.6	434	660	11628	427	562	11232	417
	1960	183	12398	3.6	452	175	12188	455	99	11824	431
JERSEY-----	1947	1	9500	4.5	425						
	1948	1	5390	4.4	238						
	1949	9	9087	5.0	443						
	1950	37	8060	5.1	410	4	6930	372			
	1951	88	7269	5.2	377	19	7777	388			
	1952	152	7070	5.2	367	38	7792	392			
	1953	239	6795	5.2	353	92	6839	351	55	7364	372
	1954	211	7137	5.2	367	89	7021	359	70	7197	369
	1955	186	7181	5.2	371	74	7449	380	63	7535	384
	1956	137	7449	5.1	379	56	7841	399	36	7704	395
	1957	92	7451	5.1	376	39	8207	419	27	7692	403
	1958	102	7885	5.1	400	36	8389	426	27	7696	388
	1959	188	7944	5.0	398	141	7976	403	115	8068	412
	1960	64	8068	5.1	412	47	8179	403	31	8121	417
BROWN SWISS--	1951	1	9350	3.7	350						
	1952	4	9298	3.9	370	3	9443	366			
	1953	12	7953	4.3	338	8	8001	324	2	8780	332
	1954	20	9189	4.3	391	12	8692	360	11	8192	326
	1955	21	8663	4.3	371	8	8893	353	5	8613	339
	1956	18	8661	4.3	372	9	9042	356	5	8894	350
	1957	14	9371	4.2	394	10	8978	361	6	8287	338
	1958	33	10393	4.1	421	12	11189	446	12	10660	426
	1959	34	10886	4.1	442	29	11700	469	28	11389	455
	1960	15	10329	4.0	403	15	9651	381	14	10885	432
ALL BREEDS--	1947	3	9203	4.5	405						
	1948	10	11358	3.7	419	1	11820	397			
	1949	26	10783	4.2	439	6	14058	521			
	1950	75	9127	4.5	400	21	10043	393			
	1951	209	9329	4.4	390	84	10346	401			
	1952	398	8994	4.3	374	196	9884	384			
	1953	654	8941	4.3	370	447	9504	369	283	9613	369
	1954	764	9625	4.2	387	582	10060	388	481	9557	367
	1955	809	9891	4.1	395	637	10531	404	489	10279	397
	1956	732	10509	4.0	408	606	11262	426	394	10443	400
	1957	693	10623	3.9	407	584	11408	431	478	11013	417
	1958	693	10742	3.9	412	441	11301	430	382	10973	417
	1959	942	10946	4.0	424	862	10904	423	737	10619	416
	1960	267	11154	4.0	438	241	11209	440	146	10886	427

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1957	1	10510	4.0	420						
	1958	2	7250	4.2	303						
GUERNSEY----	1949	1	5550	5.3	293						
	1950	4	5685	4.5	257						
	1951	7	7351	4.8	350						
	1952	15	7479	4.7	348						
	1953	33	7075	4.9	344						
	1954	24	7193	4.7	337	1	9630	504			
	1955	22	7071	4.8	341						
	1956	19	7556	4.8	364	1	9380	434			
	1957	22	7688	4.8	369	4	9430	455	3	8429	387
	1958	15	8515	4.7	399	6	8102	382			
	1959	12	9354	4.8	446	10	8974	421	1	9766	493
	1959										
HOLSTEIN----	1949	6	8703	3.5	307						
	1950	14	10634	3.6	377						
	1951	19	10402	3.7	386						
	1952	23	11281	3.7	420						
	1953	50	10918	3.6	395						
	1954	73	11263	3.5	394						
	1955	103	11023	3.7	401						
	1956	109	11989	3.7	438						
	1957	119	11891	3.6	431						
	1958	9	12157	3.9	470						
	1958										
JERSEY-----	1947	119	6952	5.4	375						
	1948	6	8895	5.1	452						
	1949	51	7185	5.3	380						
	1950	98	7049	5.2	368						
	1951	144	6420	5.2	332						
	1952	151	6939	5.1	356						
	1953	193	7038	5.2	364	4	8878	470			
	1954	201	7103	5.2	365	7	9593	479			
	1955	145	7011	5.2	361	8	8220	415			
	1956	103	7629	5.1	389	8	8681	441			
	1957	75	7272	5.2	375	7	7750	397	4	7946	369
	1958	37	7826	5.2	407	18	7861	406			
	1959	25	7910	5.1	402	25	7630	385	9	7420	371
	1960	16	8133	5.4	431	16	8593	444	6	8161	443
BROWN SWISS--	1952	2	9760	3.5	340						
	1953	2	9010	3.5	311						
	1956	2	10750	4.9	512						
ALL BREEDS--	1947	119	6952	5.4	375						
	1948	6	8895	5.1	452						
	1949	58	7314	5.1	371						
	1950	116	7435	5.0	366						
	1951	170	6903	5.0	339						
	1952	191	7534	4.9	363						
	1953	278	7754	4.9	367	4	8878	470			
	1954	298	8129	4.7	370	8	9598	482			
	1955	270	8547	4.6	375	8	8220	415			
	1956	233	9689	4.4	411	9	8759	440			
	1957	217	9862	4.3	406	11	8361	418	7	8153	377
	1958	63	8590	4.9	411	24	7921	400			
	1959	37	8379	5.0	417	35	8014	396	10	7655	383
	1960	16	8133	5.4	431	16	8593	444	6	8161	443

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTER, OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1952	2	6040	4.5	267						
	1953	1	7290	3.7	272						
	1954	1	7300	3.8	277						
	1955	1	7180	3.9	283						
	1959	4	9210	3.7	343	4	7483	284	3	7972	302
GUERNSEY----	1949	1	8040	4.7	378						
	1950	1	5290	5.2	274						
	1951	3	6963	4.9	348						
	1952	9	8453	4.7	396						
	1953	10	8482	4.7	402						
	1954	18	8749	4.6	404	3	9960	419			
	1955	15	9153	4.8	442	2	7460	351			
	1956	18	8003	4.6	371	2	9845	379			
	1957	19	7109	4.6	328	2	10125	369			
	1958	15	7377	4.6	341	3	9710	424			
	1959	6	6758	5.0	340	4	6780	303	4	7442	330
	1960	1	7900	3.8	301						
HOLSTEIN----	1952	1	15210	3.1	467						
	1953	3	13557	3.3	446						
	1954	1	13780	3.2	442						
	1955	15	11209	3.4	375						
	1956	19	10338	3.3	343	3	9463	302			
	1957	27	9670	3.5	333	4	9463	330			
	1958	35	10079	3.4	347	18	9105	344			
	1959	41	10830	3.6	384	41	9524	359	37	9695	368
	1960	10	10916	3.5	382	8	8800	331	5	9818	373
JERSEY-----	1949	1	9020	5.7	513						
	1950	10	6643	4.8	312						
	1951	20	6461	5.0	321						
	1952	34	6895	5.0	344						
	1953	39	6741	4.9	330	1	10690	523			
	1954	44	6918	4.8	332						
	1955	51	6078	4.8	292						
	1956	26	6658	4.8	318	2	8805	459			
	1957	17	7159	4.8	349	3	7827	387			
	1958	20	7262	4.9	356	6	7870	395		8606	385
	1959	54	6961	4.9	339	57	7710	366	30	8000	372
	1960	21	8613	4.7	395	12	8008	344	11	8564	358
BROWN SWISS-	1955	1	9650	3.7	353						
	1957	2	6020	4.0	236						
	1958	1	6030	4.1	248						
	1959	2	9710	4.1	394				2	8055	309
	1960	2	9185	3.8	339						
ALL BREEDS--	1949	2	8530	5.2	446						
	1950	11	6520	4.8	309						
	1951	23	6526	5.0	325						
	1952	46	7343	4.9	353						
	1953	53	7465	4.8	349	1	10690	523			
	1954	64	7546	4.7	353	3	9960	419			
	1955	83	7617	4.6	335	2	7460	351			
	1956	63	8152	4.3	341	7	9384	369			
	1957	65	8152	4.2	333	9	9064	358			
	1958	71	8658	4.1	347	27	8898	364	2	8606	385
	1959	107	8568	4.3	357	86	8521	356	76	8796	363
	1960	34	9303	4.3	385	20	8325	339	16	8956	363

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1956	2	8505	4.4	372						
	1957	3	9580	4.1	385						
	1958	2	8980	4.2	375						
	1959	2	9695	3.9	375	2	7230	313	2	7935	341
	1960	1	2390	3.6	86	1	4580	154			
GUERNSEY----	1950	1	10150	4.8	484						
	1951	3	7443	4.8	361						
	1952	4	7330	4.9	358	1	8110	366			
	1953	7	6304	4.9	308						
	1954	18	7258	4.6	336	8	7661	354	6	6949	319
	1955	21	7608	4.6	354	18	7849	363			
	1956	27	7530	4.7	356	16	8238	383			
	1957	32	6717	4.8	323	24	7823	368	12	6361	295
	1958	36	7756	4.7	364	24	7843	364	18	7462	337
	1959	19	8762	4.6	400	17	7705	362	12	8019	362
	1960	2	10270	4.8	490	1	7040	326	1	8055	387
HOLSTEIN----	1952	1	8580	3.6	311	1	6350	268			
	1953	2	11130	3.1	340	2	7420	328			
	1954	2	11330	3.7	411	2	8075	331	2	6039	263
	1955	4	9943	3.5	347	4	6643	299			
	1956	27	10511	3.6	374	26	10414	391			
	1957	23	10222	3.7	380	21	11142	419	9	8765	357
	1958	13	10900	3.6	396	6	9318	355	5	8306	333
	1959	28	11269	3.5	395	28	10860	386	27	10469	383
	1960	3	13833	3.7	504	3	10720	391	3	10766	398
JERSEY-----	1947	6	7487	5.3	397						
	1948	2	6475	5.5	355						
	1949	7	5344	5.1	268						
	1950	22	6329	5.2	325	2	7380	361			
	1951	27	6583	5.1	332	5	6632	327			
	1952	65	7036	5.2	363	13	6488	327			
	1953	70	6511	5.1	334	15	6299	326	11	6204	316
	1954	61	6891	5.2	352	11	7057	379	7	6170	312
	1955	66	6487	5.3	340	36	6029	314			
	1956	99	6796	5.0	339	58	7045	346			
	1957	70	6582	4.9	320	44	7293	363	33	6195	305
	1958	65	7038	5.1	357	34	7569	389	13	7188	363
	1959	92	6596	5.1	336	65	7115	353	41	7029	343
	1960	20	8340	5.0	416	16	7958	396	16	7849	400
BROWN SWISS--	1953	1	10460	3.9	409						
	1956	3	11743	3.9	454						
	1957	4	12320	4.0	489						
	1958	5	11236	4.0	447						
	1959	1	10980	4.1	452						
ALL BREEDS--	1947	6	7487	5.3	397						
	1948	2	6475	5.5	355						
	1949	7	5344	5.1	268						
	1950	23	6495	5.1	332	2	7380	361			
	1951	30	6669	5.0	335	5	6632	327			
	1952	70	7074	5.1	362	15	6587	326			
	1953	80	6658	5.1	333	17	6431	327	11	6204	316
	1954	81	7082	5.0	350	21	7384	365	15	6464	308
	1955	91	6898	5.0	344	58	6636	328			
	1956	158	7672	4.7	350	100	8112	364			
	1957	132	7491	4.6	338	69	8344	377	54	6660	311
	1958	121	7872	4.8	367	64	7836	377	36	7480	346
	1959	142	7882	4.7	358	112	8143	362	82	8329	359
	1960	26	8893	4.8	420	21	8148	380	26	8297	399

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1959	1	6730	4.2	261	1	9350	376			
GUERNSEY----	1950	2	7700	4.7	359						
	1952	1	7880	5.4	422						
	1953	9	8761	4.8	418						
	1954	7	7144	4.6	328				1	8077	395
	1955	7	6611	4.9	322	1	12760	594			
	1956	21	7028	4.6	320	2	8270	390			
	1957	5	6630	4.7	314						
	1958	4	7815	5.0	383	1	7080	373			
	1959	3	8370	4.4	361	3	7960	357			
	1960	4	7143	4.7	336	3	8597	379	2	3984	374
HOLSTEIN----	1951	1	8530	3.5	300						
	1954	2	13060	3.4	444	1	11530	407			
	1955	2	13650	3.5	478						
	1956	1	12500	4.0	496	1	13000	486	1	10050	378
	1957	4	13383	3.5	466	1	12120	452			
	1958	8	14341	3.5	505	4	11950	435			
	1959	29	9892	3.6	351	28	9738	355	5	9394	399
	1960	5	9764	3.4	333	5	9076	318	2	10764	377
JERSEY-----	1950	3	6087	5.7	345						
	1951	9	7851	5.5	431						
	1952	15	7131	5.7	401						
	1953	24	6950	5.4	372						
	1954	28	7115	5.3	378						
	1955	14	6526	5.5	366						
	1956	12	7371	5.3	394	2	5955	328	1	8360	422
	1957	8	7040	5.0	350						
	1958	3	8947	5.3	468	1	6920	363			
	1959	19	6629	5.3	353	15	7192	370	2	3205	247
	1960	12	6571	5.1	334	10	7323	384	4	7513	394
BROWN SWISS-	1956	3	8157	4.6	370						
	1957	5	10526	4.0	422						
	1958	4	11953	4.1	487						
	1959	2	10700	4.1	426						
M. SHORTHORN-	1957	1	8760	3.8	333						
	1959	7	5641	3.8	215	7	6257	283			
	1960	4	8353	3.5	291	4	8653	302	3	9505	375
ALL BREEDS--	1950	5	6732	5.3	350						
	1951	10	7919	5.3	418						
	1952	16	7178	5.7	402						
	1953	33	7444	5.2	385						
	1954	37	7442	5.1	372	1	11530	407	1	8077	395
	1955	23	7171	5.2	362	1	12760	594			
	1956	37	7378	4.8	353	5	8290	384	2	9205	400
	1957	23	8887	4.4	377	1	12120	452			
	1958	19	11613	4.2	470	6	10300	413			
	1959	61	8288	4.2	338	54	8474	350	7	7626	356
	1960	25	7586	4.4	327	22	8137	353	11	8006	382

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE RECORDS NO.	MILK LB.	FAT LB.
GUERNSEY----	1952	4	4358	5.1	226						
	1953	4	4465	4.4	202						
	1954	20	6878	4.6	322	7	8633	408	1	7685	320
	1955	32	6835	4.5	306	14	7552	340			
	1956	34	6359	4.8	305	19	6898	333	4	6448	318
	1957	31	5782	4.7	272	24	6305	305	5	6006	286
	1958	41	8214	4.8	397	23	7462	352	23	5538	267
	1959	35	7833	4.6	363	26	7391	348	26	6598	310
	1960	3	9947	4.9	491	3	8570	395	3	7990	380
HOLSTEIN----	1950	1	13920	3.3	463						
	1951	1	17320	3.4	581						
	1952	3	11827	3.8	445						
	1953	7	11954	3.5	422						
	1954	12	10206	3.6	362	7	9146	348	3	5908	250
	1955	29	10196	3.7	374	21	9575	356	16	8742	326
	1956	41	9143	3.6	331	30	8565	318	29	8715	321
	1957	41	8517	3.6	307	36	8201	318	30	8308	327
	1958	36	9788	3.6	355	23	9855	362	21	8672	313
	1959	12	11318	3.7	426	11	10095	363	11	9803	352
JERSEY-----	1948	1	6460	5.2	337						
	1949	3	7517	4.8	354						
	1950	5	7174	5.2	375	1	6230	338			
	1951	12	6757	5.1	347						
	1952	26	6841	5.2	357	1	6040	322			
	1953	26	6607	5.0	329	1	6990	373	1	6442	343
	1954	43	6673	5.2	347	7	7526	380	2	5739	279
	1955	51	6629	5.3	347	23	7309	370	5	6180	238
	1956	38	5810	5.1	296	14	6605	336	14	5961	302
	1957	24	5794	5.1	294	11	5824	293	8	5798	287
	1958	43	5704	5.1	289	22	6877	350	9	5914	298
	1959	25	6108	5.0	309	23	7130	355	9	6075	312
	1960	1	6440	5.4	349	1	8660	418			
BROWN SWISS--	1953	1	12440	3.8	475						
	1954	6	9972	4.1	403						
	1955	6	9147	4.1	367						
	1956	5	9388	3.8	361						
ALL BREEDS--	1948	1	6460	5.2	337						
	1949	3	7517	4.8	354						
	1950	6	8298	4.9	389	1	6230	338			
	1951	13	7569	5.0	365						
	1952	33	6993	5.1	349	1	6040	322			
	1953	38	7520	4.6	336	1	6990	373	1	6442	343
	1954	81	7491	4.7	347	21	8435	379	6	6188	271
	1955	118	7689	4.6	344	58	8188	358	23	8185	307
	1956	118	7278	4.4	313	63	7627	327	47	7702	315
	1957	96	6953	4.4	292	71	7192	310	43	7573	315
	1958	120	7787	4.5	346	68	8082	355	53	6844	290
	1959	72	7815	4.6	355	60	7787	353	46	7262	320
	1960	4	9070	5.0	456	4	8593	401	3	7990	380

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1953	1	6800	3.9	266						
	1954	7	7841	4.1	321	4	8903	353	3	9538	372
	1955	20	8399	4.2	356	4	8280	338	4	8124	329
	1956	8	10376	4.2	431						
	1957	1	6650	4.6	309	1	6910	264	1	9429	373
	1958	2	10090	4.2	423	2	9940	391	2	8846	342
	1959	2	6740	4.2	279	2	9425	398	2	9429	386
	1960	2	10245	4.4	447	2	10200	397			
GUERNSEY----	1951	5	8050	4.8	371						
	1952	6	7585	4.8	368	2	8415	419			
	1953	10	7161	4.6	325	3	8057	391			
	1954	8	8606	5.2	437	2	7875	396	1	6714	363
	1955	12	7257	5.0	362	9	8562	400	5	7961	355
	1956	8	8336	4.8	404	1	11210	557	1	7183	305
	1957	3	7513	5.2	386	1	7550	386	1	6551	322
	1958	4	5590	4.7	269	1	6180	335	1	7924	377
	1959	3	7117	4.1	290	2	7075	325			
	1960	1	9580	4.1	390	1	7420	326			
HOLSTEIN----	1949	4	13105	3.7	482						
	1950	1	12240	3.5	427						
	1951	6	10678	3.7	392						
	1952	4	11668	3.6	423	2	12760	442			
	1953	27	11365	3.4	383	6	11617	418	3	10340	386
	1954	26	12117	3.6	424	19	12484	433	14	11282	414
	1955	44	13403	3.6	473	40	13805	478	23	10333	384
	1956	49	13071	3.7	481	45	13646	475	21	11218	414
	1957	43	13625	3.6	491	42	13552	476	25	11390	414
	1958	50	14245	3.6	512	44	13454	480	28	12158	441
	1959	52	13943	3.7	510	52	12964	475	50	13660	496
1960	9	15003	3.5	524	9	13294	481	1	8033	367	
JERSEY-----	1949	2	7215	5.6	397						
	1950	4	6985	5.3	367						
	1951	12	6688	5.1	342						
	1952	16	6656	5.3	349	3	6993	391			
	1953	14	6550	4.9	321	4	7348	407	1	8644	410
	1954	7	6846	5.1	352	4	7363	398	4	8161	421
	1955	6	8578	5.0	422	5	7736	399	5	8262	436
	1956	7	8511	4.8	408	1	10470	590	1	7456	411
	1957	6	6727	5.3	357	3	7803	453	2	7172	386
	1958	11	6430	5.1	330						
	1959	15	7045	5.4	376	8	6456	330	5	6581	332
1960	10	7342	5.5	405	4	7523	405				
BROWN SWISS--	1953	2	14495	4.3	617	1	12010	502	1	11096	487
	1954	1	11620	3.9	455						
	1955	1	13630	4.2	567	1	13060	524	1	11663	499
	1957	5	10166	4.1	414	2	9185	375	1	8589	349
	1958	2	9210	4.2	382				1	9385	361
	1959	11	8543	4.1	349	2	8670	352	1	10769	436
M.SHORTHORN--	1951	1	4960	4.6	228						
	1952	5	6706	4.0	264		2850	118			
	1953	2	6960	4.1	277	1	7100	273			
	1954	4	6320	4.0	249	4	6505	242			
									4	4949	191
ALL BREEDS--	1949	6	11142	4.3	454						
	1950	5	8036	4.9	379						
	1951	24	7898	4.7	356						
	1952	31	7490	4.8	348	9	7670	348			
	1953	56	9283	4.0	359	15	9491	406		9814	420
	1954	53	9879	4.1	390	33	10425	394	26	9451	374
	1955	83	10962	4.0	426	59	12103	451	38	9551	384
	1956	72	11803	4.0	460	47	13527	480	23	10879	409
	1957	58	12177	3.9	462	49	12764	464	30	10789	405
	1958	69	12231	4.0	462	47	13150	473	32	11732	431
	1959	83	11560	4.1	451	66	11759	447	58	12854	477
	1960	22	10842	4.5	457	16	11098	442	1	8033	366

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1952	2	8575	3.8	322						
	1953	1	7000	3.8	264						
	1954	2	12580	3.9	495	1	5640	209	1	10083	425
	1955	2	8755	3.6	318						
	1956	2	8590	4.0	345						
GUERNSEY----	1949	3	6423	5.1	332						
	1950	14	6921	4.9	342						
	1951	13	7654	4.7	365	6	8643	379			
	1952	26	7695	4.9	374	13	9643	406			
	1953	38	8024	4.8	380	24	9708	401	17	8311	357
	1954	36	7734	4.8	370	26	9345	394	23	9255	388
	1955	36	7750	4.9	376	32	9960	425	30	8633	381
	1956	33	7897	4.7	367	27	10288	428	27	9475	395
	1957	16	7212	4.7	332	13	8645	377	10	8454	354
	1958	16	7958	4.8	378	12	8765	394	8	7110	319
	1959	8	7754	4.5	345	8	9501	414	5	9175	397
	1960	2	11390	4.0	452	2	8670	361	1	9777	407
HOLSTEIN----	1947	2	11815	3.3	392						
	1948	2	13845	3.4	464	1	11540	406			
	1949	9	12297	3.6	442	1	11500	393			
	1950	20	11445	3.6	413	3	14677	475			
	1951	21	11349	3.7	424	5	8752	364			
	1952	37	10651	3.8	406	13	9293	379			
	1953	69	10430	3.7	389	48	9953	389	27	8419	350
	1954	88	11186	3.8	418	76	10396	405	58	9395	383
	1955	142	11462	3.8	437	122	11187	437	107	9805	395
	1956	154	12175	3.8	458	144	11609	447	124	10793	420
	1957	148	11716	3.8	440	141	11836	453	109	10961	427
	1958	137	12396	3.7	459	107	11777	437	79	11110	424
	1959	228	13269	3.6	479	221	12965	466	125	12029	412
	1960	53	13679	3.5	489	48	13000	471	18	12494	463
JERSEY-----	1947	1	7680	5.7	435						
	1949	1	5990	4.9	294						
	1950	10	7032	5.1	353	1	7470	386			
	1951	39	7428	5.2	386	4	8115	411			
	1952	82	7605	5.3	401	10	8371	412			
	1953	132	7593	5.2	395	18	8322	432	8	7914	397
	1954	136	8246	5.2	430	21	8795	442	8	7461	354
	1955	131	7858	5.1	401	27	8984	448	13	7662	372
	1956	103	8231	5.1	422	29	8934	446	13	7819	369
	1957	89	7451	5.1	379	28	8181	417	12	7950	388
	1958	96	8250	5.2	427	60	8518	441	6	7496	363
	1959	136	7491	5.1	378	112	7521	377	31	7608	369
	1960	38	7765	5.0	387	34	7464	372	10	7350	356
BROWN SWISS--	1949	1	6800	4.0	273						
	1950	1	9140	4.3	393						
	1954	1	8770	3.6	319						
	1956	1	6240	4.3	271						
	1957	1	6830	5.9	403						
	1958	2	12140	3.3	402						
	1959	25	11538	3.9	448	21	11514	451	19	8591	340
	1960	12	6158	3.8	231	11	5803	218	3	8120	305
M. SHORTHORN--	1954	1	9290	4.7	434						
	1955	1	7270	4.4	320						
ALL BREEDS--	1947	3	10437	4.1	406						
	1948	2	13845	3.4	464	1	11540	406			
	1949	14	10195	4.1	396	1	11500	393			
	1950	45	9006	4.4	377	4	12875	453			
	1951	73	8596	4.7	393	15	8539	383			
	1952	147	8401	4.8	396	36	9163	398			
	1953	240	8474	4.7	391	90	9561	401	52	8306	359
	1954	264	9195	4.7	418	124	9866	408	90	9195	382
	1955	312	9490	4.5	413	181	10641	437	150	9385	390
	1956	293	10262	4.3	434	200	11043	444	164	10340	412
	1957	254	9919	4.3	412	182	11046	442	131	10494	418
	1958	251	10525	4.3	441	179	10483	436	93	10532	411
	1959	397	11070	4.2	439	362	11120	436	180	10825	396
	1960	105	10636	4.1	422	95	10094	404	32	10392	413

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE RECORDS NO.	MILK LB.	AVERAGE FAT LB.
GUERNSEY----	1951	1	8110	4.7	383						
	1952	11	7210	4.9	352	7	8971	396			
	1953	8	7243	5.2	375	7	8689	432	5	6801	327
	1954	13	6634	4.8	319	12	7256	334	9	8811	415
	1955	13	7020	5.0	344	12	7657	352	7	8975	418
	1956	11	6785	4.8	320	10	7434	337	1	8295	356
	1957	14	6396	4.9	313	13	8542	384			
	1958	7	5909	4.7	277	4	6695	288			
	1959	4	7115	4.6	328	4	8802	413			
	1960	1	11080	4.4	488						
HOLSTEIN----	1950	5	11942	3.5	416	3	11740	419			
	1951	19	12780	3.5	449	11	12646	440			
	1952	35	13081	3.6	467	25	12546	438			
	1953	70	13191	3.5	457	53	13134	447	43	11593	393
	1954	111	12590	3.5	437	88	13241	452	66	12779	430
	1955	111	12110	3.5	428	93	12852	443	79	12711	430
	1956	131	12321	3.6	437	121	13227	467	82	12960	445
	1957	110	12233	3.6	443	105	13216	479	69	12860	453
	1958	99	12166	3.6	438	81	12727	458	45	12655	452
	1959	98	12889	3.6	463	94	12992	469	28	13015	458
	1960	19	13753	3.6	496	18	14071	504	11	13996	492
JERSEY-----	1951	4	7348	5.7	416	3	8630	457			
	1952	11	8355	5.5	458	9	8872	471			
	1953	20	8840	5.5	485	14	8718	476	14	8512	459
	1954	18	7968	5.7	448	11	8003	452	9	8528	458
	1955	25	7901	5.6	459	20	7935	437	11	8244	455
	1956	22	7246	5.5	397	17	7633	428	7	7247	387
	1957	16	7978	5.3	426	8	8585	472			
	1958	15	7505	5.5	401	6	7865	440			
	1959	12	8267	5.4	445	6	7273	412	2	7685	423
	1960	4	8040	5.2	414						
BROWN SWISS-	1954	1	7420	4.3	318						
	1955	1	7790	4.6	356						
	1957	6	10997	4.2	456	3	10357	406	3	10322	410
	1958	8	13625	4.2	560	2	11365	452	2	10922	425
	1959	9	11491	4.3	491	7	11290	454	1	10791	435
	1960	9	10861	4.1	446	9	9129	393			
ALL BREEDS--	1950	5	11942	3.5	416	3	11740	419			
	1951	24	11680	4.0	441	14	11786	444			
	1952	57	11036	4.2	443	41	11129	438			
	1953	98	11817	4.0	456	74	11878	451	60	10634	405
	1954	143	11430	3.9	426	111	12075	439	84	11898	431
	1955	150	10938	4.0	422	125	11566	433	97	11935	432
	1956	164	11269	3.9	424	148	12193	454	90	12464	440
	1957	146	11156	4.0	429	129	12391	468	72	12754	451
	1958	129	11351	3.9	432	93	12125	450	47	12581	451
	1959	123	12148	3.9	459	111	12425	463	31	12600	455
	1960	33	12191	3.9	469	27	12424	467	11	13996	492

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1953	1	11590	3.6	422						
	1954	1	5760	3.5	200	1	8630	331	1	7358	290
GUERNSEY----	1949	2	9625	5.0	479						
	1950	4	8700	4.6	404	1	9360	441			
	1951	13	7917	4.9	390	3	8860	433			
	1952	28	8075	4.8	386	16	8754	422			
	1953	46	8377	4.8	403	37	9116	434	32	8456	403
	1954	70	8797	4.8	417	61	8955	434	54	8762	420
	1955	66	8361	4.8	398	61	8912	419	55	8807	409
	1956	79	8409	4.8	404	76	9065	427	69	8801	415
	1957	57	8898	4.8	427	49	9716	454	42	8623	409
	1958	45	8957	4.9	433	32	8846	411	24	9086	426
	1959	26	9452	4.5	429	23	9170	427	22	9032	433
	1960	5	10392	4.5	462	5	9560	459	2	8791	410
HOLSTEIN----	1947	10	15115	3.3	502						
	1948	6	15047	3.6	530						
	1949	4	15060	3.5	522	1	14810	529			
	1950	8	13278	3.8	504	4	15153	558			
	1951	9	14499	3.6	520	4	13008	460			
	1952	16	13584	3.6	479	13	12914	472			
	1953	59	12893	3.6	467	51	12638	459	33	11633	418
	1954	116	12617	3.6	452	92	12598	455	82	12465	452
	1955	170	12612	3.7	461	142	12334	452	116	12120	440
	1956	207	12852	3.7	468	169	12877	472	134	12088	439
	1957	305	13152	3.7	480	259	13650	499	218	12245	449
	1958	390	13691	3.6	496	334	13174	489	261	12920	478
	1959	473	14513	3.7	527	435	14218	517	399	14004	510
	1960	93	14505	3.6	514	81	13894	501	34	13864	504
JERSEY-----	1947	1	10070	5.0	498	1	10070	498			
	1948	1	7050	4.9	343	1	9430	491			
	1949	1	10430	3.9	404	1	11300	620			
	1950	6	7942	5.3	422	2	9460	486			
	1951	21	7727	5.5	417	12	8299	454			
	1952	29	8475	5.3	450	24	8492	445			
	1953	44	8383	5.4	452	38	8736	465	23	8139	422
	1954	47	8444	5.3	448	41	8441	451	36	8594	452
	1955	49	7773	5.3	415	41	8372	446	39	7941	425
	1956	57	7930	5.3	417	41	8302	446	42	8012	424
	1957	49	8021	5.4	427	33	8428	450	33	8000	418
	1958	94	8085	5.3	425	47	8297	436	41	8214	432
	1959	102	8507	5.3	452	85	8562	455	69	8734	458
	1960	30	8600	5.3	454	27	8682	460	7	9316	492
BROWN SWISS--	1953	2	11445	3.6	418	1	9520	370			
	1954	2	8725	4.7	401	1	10190	430			
	1955	4	8308	4.3	358	2	9775	401	2	9936	418
	1956	6	9745	4.2	408	4	10073	430	3	9087	374
	1957	3	8730	4.2	369						
	1958	18	11524	4.3	490	8	9925	412	3	10046	421
	1959	29	10125	4.2	426	16	10093	428	15	10432	445
	1960	4	11140	4.2	471	3	11940	526			
M. SHORTHORN--	1954	1	4670	3.8	178				1	8709	323
	1955	1	11600	4.5	518						
	1956	3	9433	3.9	378	2	8970	339	2	7903	286
	1957	1	10250	4.2	436						
ALL BREEDS--	1947	11	14656	3.5	501	1	10070	498			
	1948	7	13904	3.8	503	1	9430	491			
	1949	7	12846	4.0	493	2	13055	575			
	1950	18	10482	4.5	455	7	12695	520			
	1951	43	9202	4.9	430	19	9379	452			
	1952	73	9442	4.8	432	53	9656	445			
	1953	152	10193	4.5	442	127	10420	453	88	9564	414
	1954	237	10566	4.3	438	196	10562	447	174	10464	440
	1955	290	10764	4.2	438	246	10804	443	212	10471	429
	1956	352	10976	4.2	443	292	11177	455	250	10427	428
	1957	415	11923	4.0	465	341	12579	488	293	11270	440
	1958	547	12267	4.0	479	421	12739	476	329	12027	468
	1959	630	13129	4.0	507	559	13032	501	503	12962	498
	1960	132	12905	4.0	497	116	12444	490	43	12888	498

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF COWS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS	MILK LB.	FAT LB.
AYRSHIRE----	1960	1	7620	3.8	292						
GUERNSEY----	1953	1	10160	4.0	409	1	13850	532			
	1954	2	7955	4.4	347	1	10240	676	2	12660	453
	1955	1	11300	3.7	413						
HOLSTEIN----	1953	19	12232	3.4	419	18	11998	409			
	1954	43	11441	3.5	402	39	11168	390	35	11409	391
	1955	49	11510	3.4	391	48	11876	461			
	1956	29	11521	3.5	399	27	11426	404	27	9764	337
	1957	18	11642	3.5	411	17	12379	422			
	1958	28	12770	3.5	440	26	12856	441	1	12066	441
	1959	47	13785	3.4	460	43	13646	455			
	1960	13	13625	3.3	457	13	13748	455			
JERSEY-----	1953	1	5460	4.8	262						
	1954	2	6600	5.1	332	1	6260	270	2	6747	331
	1955	1	7540	4.5	338	1	6790	378			
	1956	1	8570	4.4	370	1	8210	474	1	8457	377
	1957	1	9550	4.7	444						
BROWN SWISS--	1950	1	10630	4.1	434	1	13190	537			
	1951	1	10280	4.0	411	1	12900	528			
	1952	1	12430	3.8	471	1	12560	539			
	1953	1	12670	3.9	490	1	13550	576			
	1954	1	14440	3.9	566	1	12520	533			
	1955	1	7010	4.4	307						
	1957	1	5490	4.5	245						
	1958	1	6400	4.0	257	1	6950	271	1	6431	265
ALL BREEDS--	1950	1	10630	4.1	434	1	13190	537			
	1951	1	10280	4.0	411	1	12900	528			
	1952	1	12430	3.8	471	1	12560	539			
	1953	22	11650	3.5	414	20	12168	423			
	1954	48	11157	3.6	400	42	11252	398	39	11234	391
	1955	52	11343	3.4	388	49	11777	401			
	1956	30	11416	3.5	398	28	11311	407	20	9717	338
	1957	20	11220	3.7	404	17	12379	422			
	1958	29	12551	3.5	434	27	12631	435	2	9249	353
	1959	47	13785	3.4	460	43	13646	455			
	1960	14	13196	3.4	445	13	13748	455			

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1951	3	8710	4.2	364						
	1952	3	9947	4.3	428						
	1953	3	11277	3.9	436						
	1954	4	12673	3.9	495						
	1955	1	12520	4.4	553						
	1958	1	8440	4.1	346						
	1960	1	9360	4.4	410	1	6960	298			
GUERNSEY----	1947	1	7880	4.9	383						
	1948	4	8025	4.6	366						
	1949	18	8541	4.7	403						
	1950	12	7478	4.7	354						
	1951	19	7689	4.9	379	1	10640	423			
	1952	20	7793	4.9	302	1	13410	505			
	1953	24	8405	4.8	404	7	11209	481	3	9396	444
	1954	31	8384	4.9	407	13	10055	459	6	8559	418
	1955	24	8936	4.7	418	8	9685	439			
	1956	18	7544	4.6	359	15	8923	409	10	9299	425
	1957	11	8474	4.9	417	9	10619	462	8	9776	426
	1958	7	8253	4.8	396	6	9123	420	6	9100	424
	1959	9	10951	4.6	496	6	11742	505	3	11598	467
HOLSTEIN----	1947	8	13080	3.5	459						
	1948	15	11931	3.7	446						
	1949	16	12790	3.6	464	2	11065	474			
	1950	17	12835	3.6	467	5	12442	469			
	1951	30	11704	3.7	431	9	10997	415			
	1952	24	12017	3.7	450	13	12082	457			
	1953	31	13705	3.6	498	22	12761	484	7	10601	389
	1954	39	14403	3.7	525	31	13319	511	7	11536	436
	1955	26	13405	3.8	505	22	12324	496	2	12579	446
	1956	71	12899	3.7	473	62	12215	466	54	11341	441
	1957	54	13734	3.7	502	46	12795	487	30	11398	448
	1958	85	13411	3.7	467	67	12850	460	31	12234	475
	1959	123	14533	3.6	515	117	13977	496	62	13871	485
	1960	19	14160	3.5	496	15	14324	488	10	13966	467
JERSEY-----	1948	1	5630	5.6	315						
	1949	5	6502	5.7	369						
	1950	2	5960	6.4	383						
	1951	5	6702	5.8	389						
	1952	9	6284	5.4	342	2	7910	404			
	1953	14	7094	5.4	376	2	7000	351			
	1954	13	7216	5.6	398	4	7692	405	4	6312	340
	1955	9	6740	5.4	364	4	6650	326	4	6393	362
	1956	11	7026	5.5	386	2	5965	310	2	6791	365
	1957	7	6676	4.8	324	3	6957	353	3	7001	375
	1958	19	9042	5.1	449	5	6492	330	5	11209	480
	1959	19	8571	5.2	444	15	8109	407	9	8607	443
	1960	12	8453	5.1	424	11	7529	387	5	9211	469
BROWN SWISS-	1949	1	11980	4.1	491						
	1950	2	13905	3.9	537						
	1951	1	11290	4.4	496						
	1952	9	10599	3.9	411						
	1953	13	11582	4.1	473						
	1954	10	11916	3.9	469						
	1955	2	10995	4.0	439						
	1956	3	12603	4.4	546						
	1957	4	10025	4.1	408						
	1958	9	12223	3.9	475	4	9620	411	4	9527	380
	1959	42	11663	4.2	489	30	11185	449	6	11152	444
	1960	24	11073	4.3	473	18	10818	436	13	10964	444
M. SHORTHORN-	1957	1	4620	3.8	174	1	10960	423			
ALL BREEDS--	1947	9	12502	3.6	450						
	1948	20	10835	4.0	424						
	1949	40	10072	4.4	425	2	11065	474			
	1950	33	10535	4.2	425	5	12442	469			
	1951	58	9795	4.3	408	10	10961	416			
	1952	65	9632	4.4	408	16	11644	454			
	1953	85	10709	4.3	445	31	12039	474	10	10239	405
	1954	97	11188	4.3	462	48	11966	468	17	9256	407
	1955	62	10615	4.4	450	34	11636	462	6	9788	390
	1956	103	11321	4.1	446	79	11432	451	60	11057	436
	1957	77	12030	4.0	464	59	12135	475	41	11760	438
	1958	121	12297	4.0	474	62	12032	463	46	11476	461
	1959	193	13154	3.9	501	168	12874	480	32	12945	476
	1960	56	11528	4.2	467	45	11097	438	20	11723	457

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIKLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.
GUERNSEY----	1950	2	7745	4.4	338						
	1951	3	8823	4.6	407						
	1952	7	9167	4.7	429	2	8730	452			
	1953	8	9261	4.8	444	3	9063	402	1	10726	508
	1954	9	9368	5.0	472	4	8708	408	2	8900	432
	1955	8	9176	4.8	441	4	9633	440	1	9211	447
	1956	8	10294	5.0	516	6	10147	434			
	1957	5	7992	4.7	377	4	9133	414	1	10311	476
	1958	16	9560	4.9	465	10	9173	446	10	9223	438
	1959	11	10031	5.0	499	11	8917	433	2	10693	492
	1960	6	8220	4.9	402	6	9202	444	1	10268	469
HOLSTEIN----	1950	1	14840	3.5	514						
	1953	1	15750	3.6	564						
	1954	2	14210	3.7	516	1	13900	509	1	10955	383
	1955	1	9120	3.2	314						
	1956	2	12620	3.7	473	1	11860	455			
	1957	2	11410	3.5	396	2	11405	413			
	1958	3	13330	4.1	550	1	12490	447	1	10856	391
	1959	4	12435	3.6	450	4	12673	467			
JERSEY-----	1947	1	7500	4.2	317						
	1949	8	6424	5.0	323						
	1950	6	5852	5.0	294						
	1951	10	5537	5.0	280	2	8960	420			
	1952	6	5125	5.1	260						
	1953	4	7568	5.3	396						
	1954	3	7930	5.3	425						
	1955	5	8166	5.1	415	1	8520	451			
	1956	5	9254	4.8	443	2	7295	361			
	1957	2	7340	4.6	339	1	5950	260			
	1958	1	7010	5.7	400	1	6830	368			
	1959	7	8416	5.0	422	6	8160	413	3	7347	352
BROWN SWISS-	1953	1	11320	4.2	474						
	1957	1	10200	4.3	458						
ALL BREEDS--	1947	1	7500	4.2	317						
	1949	8	6424	5.0	323						
	1950	9	7271	4.7	328						
	1951	13	6295	4.9	309	2	8960	420			
	1952	13	7302	4.9	351	2	8130	452			
	1953	14	9388	4.8	441	3	9063	402	1	10726	508
	1954	14	9751	4.9	468	5	9746	428	3	9585	416
	1955	14	8854	4.8	423	5	9410	442	1	9211	447
	1956	15	10257	4.8	486	9	9697	451			
	1957	10	8766	4.4	379	7	9327	391	1	10311	476
	1958	20	9998	4.8	474	12	9254	459	11	9372	434
	1959	22	9954	4.8	465	21	9416	435	5	8685	408
	1960	6	8220	4.9	402	6	9202	444	1	10268	469

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
GUERNSEY----	1950	6	8345	4.9	467						
	1951	7	9926	4.6	452						
	1952	8	7689	4.9	375						
	1953	6	8793	4.6	404						
	1954	3	9110	4.4	402						
	1955	2	11435	4.7	536	2	10586	519			
	1956	10	10628	4.7	495	9	12496	625			
	1957	5	10706	4.8	508	2	9765	470	2	9069	448
	1958	2	15060	4.7	702	1	16190	493	1	9385	436
	1959	2	10640	4.7	496	2	10350	494	2	9799	472
	1960	1	14280	4.7	669	1	11360	523			
HOLSTEIN----	1947	1	8630	4.2	362						
	1948	1	10700	3.6	386						
	1949	8	10204	3.8	384	4	13242	441			
	1950	28	10421	3.7	384	14	12224	413			
	1951	42	11321	3.8	419	18	11881	399			
	1952	49	11240	3.6	403	29	11953	403			
	1953	53	12126	3.6	429	30	12260	411	31	12712	448
	1954	57	13378	3.5	459	35	12859	427	35	13233	469
	1955	67	13276	3.4	453	64	13757	471	64	13325	486
	1956	101	13526	3.5	465	161	14891	514	96	13911	509
	1957	63	13191	3.5	457	40	13787	471	40	14484	512
	1958	21	13344	3.6	483	19	13038	457	18	12474	451
	1959	79	12958	3.5	455	78	12876	456	75	13443	477
	1960	9	14700	3.4	494	9	14828	510			
JERSEY-----	1947	42	7205	5.2	378						
	1948	24	7258	5.3	385						
	1949	13	7692	5.3	404						
	1950	9	8461	5.0	427						
	1951	5	9086	5.5	501						
	1953	1	7480	5.2	386						
	1955	2	7055	5.6	389						
	1956	1	6660	5.5	364						
	1957	1	7850	5.2	409						
	1958	6	9253	5.3	482	4	8760	441	4	8521	428
	1959	12	9210	5.1	473	16	8378	424	16	9125	463
	1960	2	8060	5.4	433	2	8685	441			
BROWN SWISS--	1959	5	13734	3.9	536	4	13333	524			
	1960	2	14030	3.4	472						
ALL BREEDS--	1947	43	7239	5.2	377						
	1948	25	7596	5.3	385						
	1949	21	8649	4.7	399	4	13242	441			
	1950	43	9721	4.1	396	14	12224	413			
	1951	54	10933	4.0	431	18	11881	399			
	1952	57	10742	3.8	399	29	11953	403			
	1953	60	11715	3.7	426	30	12260	411	31	12712	448
	1954	60	13165	3.5	456	35	12859	427	35	13233	469
	1955	71	13048	3.5	453	66	13601	473	64	13325	486
	1956	112	13206	3.6	466	110	14695	523	96	13911	509
	1957	69	12934	3.6	460	42	13595	471	42	14227	509
	1958	29	12616	4.0	498	24	12207	456	23	11652	446
	1959	98	12492	3.8	462	94	12360	456	87	12863	475
	1960	14	13626	3.8	495	12	13515	500			

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LP.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE----	1960	3	9510	4.2	399	3	9820	379			
GUERNSEY----	1948	1	7490	6.0	450						
	1949	2	7420	5.3	360						
	1950	1	7020	6.0	419						
	1953	15	8831	4.5	392	9	9274	387			
	1954	19	8452	4.6	387	15	8811	388	16	8884	386
	1955	25	7879	4.5	355	23	9256	392	23	9270	402
	1956	25	8121	4.8	386	24	9996	432			
	1957	29	7663	4.6	351	26	9894	416			
	1958	24	8324	4.8	400	15	8515	397			
	1959	14	8016	5.0	399	12	8997	418			
	1960	2	11145	4.7	518	2	9905	454			
HOLSTEIN----	1947	11	13079	3.2	426						
	1948	1	15800	3.1	466						
	1949	3	17340	3.5	608	1	14620	512			
	1950	9	12874	3.6	457	3	14110	492			
	1951	2	9635	3.2	310	1	12500	470			
	1953	231	12453	3.6	450	195	12241	448			
	1954	449	12451	3.6	446	405	12276	447	398	12363	450
	1955	586	12643	3.6	451	548	12694	460	513	12464	452
	1956	667	12696	3.6	455	624	13136	476			
	1957	523	12691	3.6	455	495	13193	476			
	1958	538	13538	3.6	491	527	13322	487			
	1959	683	13606	3.6	499	675	13424	489			
	1960	103	14100	3.6	502	97	14601	502			
JERSEY-----	1947	2	6830	5.2	351						
	1948	2	6760	5.4	362						
	1950	1	7260	5.2	375						
	1953	53	8365	5.2	432	32	8020	406			
	1954	61	7212	5.1	371	34	8103	407	35	8289	415
	1955	63	7349	5.3	400	37	8072	416	36	8028	408
	1956	69	7259	5.2	375	32	7907	400			
	1957	42	7436	5.2	384	25	8302	417			
	1958	98	7773	5.1	394	55	7808	400			
	1959	121	8140	5.2	422	101	8046	422			
	1960	33	8290	5.3	440	28	8518	439			
BROWN SWISS--	1953	2	11195	4.4	495	2	11360	443			
	1954	1	10970	4.3	471	1	11970	474	1	10704	440
	1955	2	9805	4.3	418	2	11455	464	2	9134	360
	1957	1	11160	4.3	462						
	1958	2	11080	3.9	432						
	1959	2	10080	4.0	392	1	14020	538			
	1960	1	6960	3.5	247						
M.SHORTHORN--	1958	1	9930	3.9	383						
ALL BREEDS--	1947	13	12118	3.5	414						
	1948	4	9203	5.0	415						
	1949	5	13372	4.2	517	1	14620	512			
	1950	11	11632	3.9	446	3	14110	492			
	1951	2	9635	3.2	310	1	12500	470			
	1953	301	11544	4.0	444	238	11554	440			
	1954	530	11702	3.8	435	455	11867	442	456	11919	445
	1955	676	11964	3.8	443	610	12281	455	574	12046	447
	1956	761	12052	3.8	445	686	12780	471			
	1957	595	12073	3.8	445	546	12812	470			
	1958	663	12484	3.9	473	597	12694	477			
	1959	820	12862	3.9	485	789	12669	480			
	1960	142	12561	4.0	484	130	12660	485			

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
GUERNSEY----	1958	2	6075	5.1	312						
HOLSTEIN----	1950	1	8220	3.8	316						
	1953	1	11260	3.6	404						
	1954	1	11330	3.9	439						
	1955	3	12927	3.7	476	2	13515	480			
	1956	4	15040	3.4	513	4	14590	506			
	1958	3	14070	3.4	476	3	13150	433			
	1959	3	16490	3.4	557	3	13610	470			
JERSEY-----	1954	1	7440	4.8	355						
	1956	1	8490	5.5	467						
	1958	6	9665	5.4	522	6	9988	541	6	9836	544
	1959	3	8320	5.9	486	3	9253	500			
	1960	3	6860	4.8	346	3	7490	364			
ALL BREEDS--	1950	1	8220	3.8	316						
	1953	1	11260	3.6	404						
	1954	2	9385	4.4	397						
	1955	3	12927	3.7	476	2	13515	480			
	1956	5	13750	3.8	504	4	14590	506			
	1958	11	10214	4.8	471	9	11042	505	6	9836	544
	1959	6	12405	4.6	521	6	11432	485			
	1960	3	6860	4.8	346	3	7490	364			

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORDS	HERD MILK LB.	AVERAGE FAT LB.
						RECORDS NO.	MILK LB.	FAT LB.			
AYRSHIRE----	1957	2	7290	4.4	326	2	10550	449	2	10633	449
	1958	1	10840	4.0	435	1	10050	395	1	11151	429
	1959	7	9490	4.0	379	6	8928	362	7	9784	390
	1960	2	7630	3.7	282	2	8860	366	2	8660	357
GUERNSEY----	1947	26	9273	4.9	454	1	8940	383			
	1948	37	8474	5.1	429	6	8827	436			
	1949	45	8392	5.0	414	13	9404	454			
	1950	82	8890	5.0	440	31	9212	456			
	1951	143	9201	5.0	457	95	9147	450			
	1952	245	8899	4.9	438	192	9128	441			
	1953	390	8638	4.9	419	347	9121	434	207	9362	451
	1954	421	8961	4.9	440	382	9261	446	346	9315	453
	1955	445	8911	4.9	431	415	9494	452	350	9225	448
	1956	387	9043	4.9	440	359	9809	461			
	1957	390	9160	4.9	446	370	9863	461	253	9847	472
	1958	254	9468	4.8	454	206	9709	453	12	9294	438
	1959	143	9503	4.8	455	117	9518	459	120	9837	478
	1960	39	10292	4.7	486	33	9662	468	35	10030	486
HOLSTEIN----	1947	28	12162	3.7	443						
	1948	26	10402	3.6	372						
	1949	43	12417	3.6	442	13	13442	485			
	1950	59	13901	3.5	487	27	13656	495			
	1951	159	13731	3.6	494	101	13387	493			
	1952	249	13292	3.6	473	205	12893	472			
	1953	525	12664	3.6	457	477	12169	452	282	12388	463
	1954	766	12765	3.6	463	711	12416	460	632	12179	456
	1955	889	12870	3.7	471	843	12459	469	682	12481	466
	1956	987	12985	3.7	478	930	12745	480			
	1957	1106	13126	3.7	486	1044	12749	479	782	12750	479
	1958	1220	13831	3.7	508	1080	13203	501	158	13506	491
	1959	1060	14372	3.6	517	1004	13776	506	959	13573	506
	1960	234	14354	3.6	514	216	14070	516	225	14041	513
JERSEY-----	1947	76	7782	5.7	445	6	8108	442			
	1948	56	8096	5.8	465	10	9464	503			
	1949	70	8305	5.8	476	12	9414	521			
	1950	72	8548	5.8	496	26	9422	508			
	1951	151	8419	5.7	474	79	8664	479			
	1952	247	8281	5.6	458	151	8445	459			
	1953	326	8232	5.5	449	206	8286	441	146	8759	468
	1954	361	8141	5.5	442	221	8110	436	187	8369	452
	1955	317	8462	5.5	462	168	8431	453	163	8512	457
	1956	296	8802	5.5	482	175	8844	477			
	1957	255	8857	5.5	483	150	9203	493	132	9091	483
	1958	388	8961	5.5	488	174	9150	490	43	8974	474
	1959	404	9100	5.4	491	369	8941	478	336	9171	490
	1960	154	9114	5.4	487	131	8847	471	127	9236	488
BROWN SWISS--	1951	2	7480	4.1	304						
	1952	1	7530	3.6	213						
	1953	1	11670	3.9	455	1	12010	495	1	9712	405
	1954	1	8220	5.2	428						
	1955	4	10236	4.4	445	2	10430	450	2	10105	423
	1956	2	10475	4.8	467	2	10750	466			
	1957	3	10777	4.2	448	2	11930	464	1	11478	501
	1958	26	11545	4.1	476	12	11722	472	12	11721	469
	1959	30	12127	4.1	502	26	11665	478	29	11900	476
	1960	4	12048	4.1	495	4	12110	468	4	13448	524
M. SHORTHORN--	1950	2	9510	4.0	378						
	1951	1	11750	3.9	453						
	1952	1	8400	3.9	324						
	1953	4	9050	4.1	370						
	1954	2	8915	4.2	377						
	1955	2	9255	4.4	379						
	1957	7	9770	4.0	401	2	9425	416	1	9287	378
	1958	6	10845	3.9	427	1	8210	306			
	1959	8	9524	3.9	366	7	9246	350	7	9713	378
	1960	2	11370	3.4	380	2	8955	310	2	9876	348
ALL BREEDS--	1947	130	9024	5.1	445	7	8227	434			
	1948	119	8717	5.1	434	16	9225	478			
	1949	158	9449	4.9	449	38	10788	486			
	1950	215	10156	4.8	471	84	10769	485			
	1951	456	10520	4.7	475	275	10571	474			
	1952	743	10163	4.7	456	546	10348	458			
	1953	1246	10232	4.5	442	1031	10367	444	636	10566	460
	1954	1551	10648	4.4	452	1314	10775	452	1167	10718	454
	1955	1657	10953	4.3	458	1448	11084	462	1197	10905	461
	1956	1672	11329	4.3	470	1466	11558	475			
	1957	1763	11607	4.2	472	1570	11727	476	1171	11702	478
	1958	1895	12206	4.2	496	1476	12215	493	226	12171	483
	1959	1652	12577	4.2	504	1469	12341	495	1458	12181	498
	1960	435	12069	4.3	500	366	11859	495	395	12066	500

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTER, OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS				305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
		RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.
AYRSHIRE----	1959	4	11033	4.2	462	4	11665	444	1	12132	465
GUERNSEY----	1947	5	9390	4.6	431						
	1948	8	7894	5.0	386	1	9780	438			
	1949	19	8715	5.0	433	3	8527	423			
	1950	19	9266	4.7	433	11	9206	424			
	1951	36	9157	4.8	436	22	9794	467			
	1952	90	8722	4.8	420	69	9330	446			
	1953	189	8162	4.9	398	165	8944	422	116	9073	434
	1954	256	8298	4.8	400	238	8916	419	208	9062	429
	1955	313	8326	4.8	401	292	9077	418	258	9063	421
	1956	243	8551	4.7	402	220	9543	434	207	9228	426
	1957	254	8561	4.8	408	229	9780	442	207	9518	435
	1958	194	8652	4.8	410	165	9995	435	155	9770	441
	1959	67	9257	4.7	429	54	9358	435	26	9815	456
	1960	17	8514	4.5	386	16	9521	412	8	9490	426
HOLSTEIN----	1948	1	13410	3.0	404						
	1949	4	14268	3.6	514	1	15680	551			
	1950	9	14528	3.5	510	4	14153	476			
	1951	23	14032	3.8	524	12	13571	545			
	1952	64	12492	3.9	475	53	11351	460			
	1953	146	11579	3.8	435	134	10854	432	72	10637	430
	1954	238	11711	3.8	439	219	10912	431	186	10736	433
	1955	314	11702	3.7	436	303	11030	436	250	10920	437
	1956	440	11937	3.7	445	419	11552	449	377	11223	439
	1957	561	12158	3.7	449	528	11570	448	475	11268	444
	1958	580	12528	3.7	459	436	12304	461	389	12024	458
	1959	323	13815	3.6	493	305	13364	497	147	13200	493
	1960	103	13550	3.6	499	96	13566	501	52	12872	480
JERSEY-----	1947	2	9200	5.4	491						
	1948	17	7939	5.3	420	1	8430	449			
	1949	42	8753	5.5	479	5	9066	483			
	1950	85	8706	5.6	483	22	9357	509			
	1951	133	8629	5.5	469	49	8571	467			
	1952	298	8432	5.5	459	141	8779	474			
	1953	419	8429	5.4	454	233	8447	452	157	8532	454
	1954	426	8540	5.4	459	246	8544	457	234	8721	463
	1955	422	8251	5.3	439	210	8564	454	192	8725	463
	1956	437	8448	5.3	442	230	8703	455	214	8801	461
	1957	409	8380	5.2	437	204	9149	474	191	8700	452
	1958	445	8690	5.3	459	231	9098	484	215	9012	475
	1959	460	8949	5.4	481	370	9051	485	256	9436	505
	1960	198	9132	5.3	487	158	9337	495	87	8853	469
BROWN SWISS-	1949	1	11440	4.0	452						
	1950	2	11760	4.3	501						
	1953	1	11450	4.6	524						
	1955	5	11382	4.2	479	3	11037	452	2	10443	429
	1956	3	11910	4.3	518	2	12550	433	1	11358	480
	1957	12	11710	4.2	497	9	10977	467	9	10682	456
	1958	31	11184	4.4	499	24	11434	503	24	10083	445
	1959	9	9342	4.4	409	4	11620	467	5	9952	428
	1960	3	11100	4.4	491	2	10475	439	3	8953	390
M. SHORTHORN-	1958	1	9770	3.6	354						
	1959	2	13145	3.5	450						
ALL BREEDS--	1947	7	9336	4.8	448						
	1948	26	8135	5.1	409	2	9105	444			
	1949	66	9117	5.2	468	9	9621	471			
	1950	115	9307	5.2	477	37	9831	480			
	1951	192	9375	5.1	469	83	9618	478			
	1952	452	9065	5.1	453	263	9442	464			
	1953	755	8975	5.0	436	532	9208	438	347	9152	442
	1954	920	9293	4.8	437	703	9408	436	628	9431	443
	1955	1054	9316	4.7	427	808	9683	434	702	9636	438
	1956	1123	9846	4.5	435	871	10295	447	799	10058	442
	1957	1236	10164	4.4	437	970	10633	452	882	10295	443
	1958	1251	10526	4.4	452	856	10969	463	763	10715	459
	1959	865	10813	4.7	481	737	10887	486	435	10743	497
	1960	321	10631	4.7	485	272	10849	492	150	10282	469

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
AYRSHIRE----	1953	1	8270	3.7	310						
	1954	1	7310	3.8	277						
	1956	3	12173	4.0	486						
	1957	1	11750	4.0	474						
	1958	1	12760	4.3	553						
GUERNSEY----	1948	13	7962	4.7	366						
	1949	44	8112	4.9	395						
	1950	75	8329	5.0	412						
	1951	84	8365	4.9	412	1	14330	521			
	1952	57	8904	4.9	429	2	11780	482			
	1953	37	9711	5.0	487	5	11308	492			
	1954	46	9043	5.0	453	12	16681	474			
	1955	51	8862	4.9	436	29	9299	439			
	1956	49	9675	4.9	439	24	8683	408			
	1957	36	8722	4.9	425	24	8312	416			
	1958	12	8213	5.1	422	6	8815	425			
	1959	7	8171	4.8	395	7	8794	419			
	1960	1	9360	5.1	473	1	7750	370			
HOLSTEIN----	1948	16	13213	3.7	488						
	1949	87	14124	3.8	533						
	1950	145	13646	3.9	525	5	14982	549			
	1951	159	13316	3.8	507	6	12415	485			
	1952	241	13162	3.8	503	18	11749	444			
	1953	255	13551	3.8	511	32	11500	437			
	1954	138	12761	3.8	481	23	12558	479			
	1955	147	12794	3.7	469	139	13010	485			
	1956	116	13075	3.7	476	105	13228	490			
	1957	90	14803	3.7	545	63	14656	536			
	1958	96	15044	3.6	544	78	14909	542			
	1959	217	15600	3.7	571	211	15444	569			
	1960	62	15505	3.6	560	61	15511	567			
JERSEY-----	1947	12	8467	5.0	423						
	1948	6	9823	5.2	503						
	1949	11	9279	5.3	486						
	1950	21	7974	5.2	413						
	1951	39	8979	5.2	460						
	1952	41	8821	5.3	463						
	1953	40	9249	5.4	500						
	1954	12	8097	5.3	427						
	1955	11	8727	5.3	458						
	1956	2	10395	5.2	534						
	1957	3	9260	5.3	492						
	1958	8	10026	5.2	523	4	9635	522			
	1959	18	9981	5.5	553	15	9727	512			
	1960	8	10566	5.4	567	8	10331	527			
BROWN SWISS--	1950	1	10860	4.0	440						
	1951	1	9860	4.1	405						
	1952	3	11587	4.6	532						
	1953	6	9973	4.6	456	1	15860	657			
	1954	1	10050	4.4	438	1	14790	600			
	1955	1	10440	4.4	460	1	15120	619			
	1956	5	11894	4.5	539	1	13860	568			
	1957	8	12060	4.3	512	1	15450	637			
	1958	2	12671	4.3	537	1	13000	530			
	1959	8	10593	4.1	430						
ALL BREEDS--	1947	12	8467	5.0	423						
	1948	35	10681	4.3	445						
	1949	142	11886	4.2	487						
	1950	242	11495	4.3	480	5	14982	549			
	1951	283	11237	4.3	472	7	12689	490			
	1952	342	11918	4.2	486	20	11752	448			
	1953	339	12546	4.1	505	38	11590	450			
	1954	198	11573	4.2	470	96	12347	479			
	1955	210	11615	4.1	461	169	12366	478			
	1956	175	11875	4.0	469	130	12394	476			
	1957	138	12915	4.1	510	88	12935	505			
	1958	125	13697	3.9	531	69	14246	533			
	1959	250	14827	3.9	560	233	14876	561			
	1960	71	14862	3.8	559	70	14809	559			

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRELS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
HOLSTEIN----	1956	2	7060	3.6	247	1	8810	282			
	1957	1	6560	3.5	223	1	6760	242			
ALL BREEDS--	1956	2	7060	3.6	247	1	8810	282			
	1957	1	6560	3.5	223	1	6760	242			

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS ND.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS ND.	MILK LB.	FAT LB.	RECORDS ND.	MILK LB.	FAT LB.
GUERNSEY----	1956	1	6470	5.1	329						
	1958	1	10670	3.4	367	1	12260	385	1	12055	371
HOLSTEIN----	1959	7	10420	3.2	338	5	11004	363	5	10442	342
	1956	1	6470	5.1	329						
ALL BREEDS--	1958	1	10670	3.4	367	1	12260	385	1	12055	371
	1959	7	10420	3.2	338	5	11004	363	5	10442	342

TABLE 9.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY YEAR OF FRESHENING, BY BREED, RECORDS FROM THIS STATE ONLY

BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
						RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
HOLSTEIN----	1953	1	13310	3.4	456						
	1954	2	12855	3.8	482	1	6840	293			
	1955	1	9940	3.4	335	1	13910	497			
	1956	4	12565	3.6	454	4	10220	417			
	1957	6	13997	3.6	499	6	12158	469			
	1958	7	13806	3.8	528	7	12733	502			
	1959	7	14053	3.6	513	7	13806	516			
RED DANE----	1954	1	6840	4.3	293						
	1955	1	10150	4.4	442						
ALL BREEDS--	1953	1	13310	3.4	456						
	1954	3	10850	3.9	419	1	6840	293			
	1955	2	10045	3.9	389	1	13910	497			
	1956	4	12565	3.6	454	4	10220	417			
	1957	6	13997	3.6	499	6	12158	469			
	1958	7	13806	3.8	528	7	12733	502			
	1959	7	14053	3.6	513	7	13806	516			

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
UNDER 275----	1	1	1	7050	3.6	256	1	6140	258	1	8524	319
275 - 324----	2	10	14	6950	3.9	271	5	7925	315	2	8493	336
325 - 374----	14	120	219	8475	4.2	353	7	8652	358	14	8883	369
375 - 424----	11	120	195	8621	4.3	365	9	9427	388	11	9416	388
425 - 474----	1	2	3	9513	4.1	391	1	10790	447			
NO REPORT----	7	29	51	6953	3.5	286						
GUERNSEY												
275 - 324----	2	14	24	8156	4.9	409	3	6988	322	2	8670	400
325 - 374----	9	146	333	7080	4.9	345	5	7802	359	9	8040	367
375 - 424----	40	1823	4067	7505	4.9	364	33	8565	399	37	8434	398
425 - 474----	14	273	421	8055	4.9	393	15	10030	450	14	9956	449
475 - 524----	2	2	3	9590	4.5	427	1	9810	479	2	8982	435
625 - OVER----	1	1	1	14520	4.6	664	1	13890	667	1	9374	448
NO REPORT----	15	66	156	7046	5.0	348				1	10955	456
HOLSTEIN												
UNDER 275----	2	3	3	8950	3.6	322	1	7045	261	1	6507	254
275 - 324----	1	1	1	11180	3.8	428	1	8500	320	1	8273	315
325 - 374----	5	21	50	11033	3.6	397	1	9837	363	5	10473	401
375 - 424----	26	746	1848	11116	3.7	408	13	10773	406	26	10758	405
425 - 474----	65	5747	10908	11602	3.8	432	74	11762	449	62	11454	443
475 - 524----	24	392	641	12128	3.8	458	14	12844	494	23	12449	486
525 - 574----	13	32	77	13931	3.9	540	2	14325	553	12	13588	528
575 - 624----	5	7	24	13337	4.0	523	1	15771	597	4	15373	595
625 - OVER----	1	2	5	13015	3.6	473	1	13340	632	1	12382	476
NO REPORT----	19	43	114	12297	3.6	440						
JERSEY												
275 - 324----	4	9	22	6286	5.1	309	1	5415	294	4	7622	410
325 - 374----	7	85	204	7048	5.1	360	3	6943	353	7	7290	370
375 - 424----	25	1049	2398	7223	5.3	380	13	7811	405	25	8093	419
425 - 474----	14	693	1258	8223	5.2	419	25	8537	444	13	8610	442
475 - 524----	2	26	41	8115	5.4	437	9	10487	491	1	9105	474
NO REPORT----	21	86	200	6990	5.3	371				2	10399	477
BROWN SWISS												
NO REPORT----	10	20	32	11064	4.3	477						
M. SHORTHORN												
275 - 324----	2	14	21	5724	4.2	231	6	8141	315	2	7957	310
325 - 374----	1	5	13	8544	4.0	341	1	9120	342	1	7499	289
375 - 424----	1	2	2	7640	3.7	276	2	9310	397	1	9521	380
425 - 474----	1	8	13	9238	3.7	337	1	11510	467	1	11042	418
NO REPORT----	2	8	9	7941	3.9	302				1	10213	375
ALL BREEDS												
UNDER 275----	3	4	4	8317	3.6	300	1	6743	253	2	7516	287
275 - 324----	11	48	82	7089	4.5	317	3	6933	309	11	8091	368
325 - 374----	36	377	819	8206	4.5	358	5	8285	358	36	8545	371
375 - 424----	103	3740	8510	8468	4.6	378	20	9038	401	100	9072	404
425 - 474----	95	6723	12603	10535	4.1	423	56	11018	449	90	10805	444
475 - 524----	28	420	685	11660	4.0	454	13	12459	493	26	12053	462
525 - 574----	13	32	77	13931	3.9	540	2	14325	553	12	13588	528
575 - 624----	5	7	24	13337	4.0	523	1	15771	597	4	15373	595
625 - OVER----	2	3	6	13768	4.1	569	1	13615	650	2	10878	462
NO REPORT----	74	252	562	8937	4.4	388				4	10491	446

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRE NO.	MILK LB.	FAT LB.
AYKSHIRE												
275 - 324---	2	7	20	9656	4.5	426	1	7775	316	2	7925	321
325 - 374---	7	106	297	8428	4.2	350	7	8659	354	7	8280	341
375 - 424---	28	523	1032	9307	4.1	383	15	9612	397	28	9561	394
425 - 474---	4	12	18	9229	4.2	383	2	10781	437	4	9741	394
475 - 524---	1	1	1	10990	4.0	438	1	11710	490	1	10584	441
NO REPORT---	8	15	32	8219	4.2	341						
GULRNSLY												
275 - 324---	2	10	20	7035	4.8	337	1	7102	314	2	7287	327
325 - 374---	11	103	228	7263	4.6	336	4	7965	357	11	8047	365
375 - 424---	30	428	892	7848	4.8	372	11	9314	397	29	9020	393
425 - 474---	6	13	29	8274	4.8	393	1	10337	441	5	9369	412
475 - 524---	2	4	8	8469	4.7	396	1	10732	499	2	10677	448
525 - 574---	1	3	3	8983	4.6	412	3	10353	537	1	9704	419
625 - OVER---	1	1	1	8280	4.5	371	1	9180	659	1	10747	435
NO REPORT---	20	26	55	7560	4.8	365						
HOLSTEIN												
325 - 374---	5	5	8	10364	3.6	365	1	9841	357	4	10579	384
375 - 424---	19	183	469	11356	3.8	426	5	10828	401	17	10785	403
425 - 474---	45	2968	5337	11764	3.8	441	56	11852	449	44	11721	446
475 - 524---	28	254	356	12534	3.9	481	8	12779	493	27	12252	480
525 - 574---	12	27	34	13778	3.9	529	2	13837	536	9	12470	506
575 - 624---	2	4	7	15659	4.1	641	2	14714	580	2	11483	449
NO REPORT---	21	32	48	11743	3.7	430						
JERSEY												
UNDER 275---	1	4	4	7115	5.6	395	1	4930	190	1	8208	453
275 - 324---	2	10	26	6483	5.3	336	2	6147	313	2	6849	358
325 - 374---	5	21	49	6489	5.2	336	2	6997	362	5	7788	396
375 - 424---	18	332	766	7540	5.4	404	7	7922	406	16	7656	391
425 - 474---	15	177	311	8173	5.2	425	7	8734	451	15	8590	445
475 - 524---	3	16	34	8576	5.1	438	2	9131	500	3	9000	481
525 - 574---	3	9	24	9440	5.2	485	2	10157	544	2	9510	533
575 - 624---	1	3	10	11468	4.9	557	2	11753	582	1	11952	593
NO REPORT---	9	17	41	7567	5.2	392				3	11239	492
BROWN SWISS												
275 - 324---	3	6	13	8230	4.2	340	1	7420	300	3	8042	326
325 - 374---	3	16	30	9347	4.0	380	4	9078	362	3	9380	375
375 - 424---	5	16	22	9549	4.0	382	2	9957	406	5	10066	403
425 - 474---	1	1	2	9470	4.2	397	1	10315	428	1	9080	373
575 - 624---	1	1	1	10800	4.1	446	1	13710	610	1	9810	425
NO REPORT---	6	9	17	8821	4.0	354				2	12410	485
M. SHORTHORN												
325 - 374---	2	4	6	7629	3.6	275	2	9617	362	2	9556	360
575 - 624---	1	2	5	8089	4.1	342	1	17100	617	1	10606	397
625 - OVER---	1	1	1	8060	3.7	296	1	17820	698	1	10606	397
NO REPORT---	1	1	1	7260	3.7	266				1	9167	344
ALL BREEDS												
UNDER 275---	1	4	4	7115	5.6	395	1	4930	190	1	8208	453
275 - 324---	9	33	79	7893	4.6	357	1	7145	309	9	7583	332
325 - 374---	33	255	618	8074	4.3	344	4	8451	358	32	8593	367
375 - 424---	100	1482	3181	8953	4.5	391	10	9467	400	97	9286	395
425 - 474---	71	3171	5697	10535	4.2	430	37	10985	448	69	10717	439
475 - 524---	34	275	599	11900	4.0	471	7	12305	494	35	11811	477
525 - 574---	16	39	61	12665	4.2	513	2	12929	538	12	11777	503
575 - 624---	5	10	23	12355	4.3	525	1	14398	594	5	11067	462
625 - OVER---	2	2	2	8170	4.1	334	1	13500	679	2	10677	416
NO REPORT---	65	100	194	9105	4.3	384				6	11284	465

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 275----	2	3	5	8030	4.2	339	1	4570	160	1	6998	271
275 - 324----	5	48	119	8279	4.0	332	1	7315	291	5	8602	338
325 - 374----	6	64	99	8984	4.1	360	4	8980	360	6	8764	356
375 - 424----	32	662	1135	9256	4.1	379	10	9866	398	32	9760	393
425 - 474----	10	114	164	10171	4.2	421	7	11215	448	10	10817	432
475 - 524----	1	4	25	11244	4.1	456	1	12587	519			
NO REPORT----	30	111	246	8043	4.1	330						
GUERNSEY												
UNDER 275----	5	5	5	7242	4.8	347	1	5636	211	1	8077	298
275 - 324----	7	20	35	6817	4.6	312	1	7301	307	5	7897	335
325 - 374----	12	70	125	7589	4.6	353	3	7960	358	12	8812	398
375 - 424----	29	375	629	7828	4.8	373	5	8859	403	29	9277	411
425 - 474----	13	127	280	8567	4.6	393	3	9592	442	13	9403	430
475 - 524----	5	71	156	8364	4.7	392	2	11676	502	5	10232	434
NO REPORT----	65	249	608	7666	4.8	367						
HOLSTEIN												
UNDER 275----	1	1	1	6000	3.8	230	1	6320	232	1	7990	294
275 - 324----	2	4	5	9302	3.3	308	2	8055	288	2	8769	319
325 - 374----	10	121	247	9664	3.7	358	3	9854	352	10	10443	389
375 - 424----	38	267	445	11129	3.7	414	4	11152	407	37	11534	422
425 - 474----	104	2719	4500	11841	3.7	438	12	12097	451	100	12234	456
475 - 524----	71	2075	3378	12307	3.8	462	14	12971	490	68	12753	479
525 - 574----	13	103	183	13774	3.9	527	5	13845	543	13	13696	536
575 - 624----	2	3	6	14609	3.5	512	1	15393	608	1	14268	538
625 - OVER----	4	4	7	16585	3.8	636	1	17258	658	4	15879	618
NO REPORT----	106	415	1041	11000	3.7	402				4	13723	498
JERSEY												
275 - 324----	2	16	23	6350	5.3	327	1	6375	317	2	6982	349
325 - 374----	13	82	136	7664	5.2	392	2	7041	357	12	7196	370
375 - 424----	25	460	861	7308	5.3	382	5	7901	400	24	8003	409
425 - 474----	45	1411	2333	8056	5.3	420	13	8442	443	45	8700	446
475 - 524----	13	138	271	8125	5.3	423	4	9305	487	13	9320	490
525 - 574----	6	31	66	8237	5.5	449	2	10358	545	5	9804	527
575 - 624----	1	11	22	8440	4.9	397	1	16770	578	1	9592	404
625 - OVER----	2	17	55	8302	5.3	441	1	12268	667	2	9065	492
NO REPORT----	61	337	832	7067	5.3	372				2	8383	375
BROWN SWISS												
UNDER 275----	1	1	1	7110	4.4	314	1	6120	274	1	6235	266
325 - 374----	2	4	6	9812	4.3	417	2	8203	348	2	7576	318
375 - 424----	9	65	103	10106	4.2	422	3	9685	397	8	9176	377
425 - 474----	5	36	56	10791	4.3	458	3	10750	445	5	10021	410
475 - 524----	3	19	44	10927	4.3	465	1	11677	495	3	9997	433
525 - 574----	4	24	34	10560	4.2	450	2	12891	547	4	12111	511
575 - 624----	1	4	4	12075	4.1	497	1	14370	583	1	11451	455
NO REPORT----	13	39	58	9984	4.2	418				3	11565	489
M. SHORTHORN												
425 - 474----	1	2	3	10500	4.0	465	1	11705	454	1	8960	335
ALL BREEDS												
UNDER 275----	9	10	12	7264	4.5	328	1	5529	209	4	7325	282
275 - 324----	16	88	182	7526	4.3	320	1	7284	301	14	8143	336
325 - 374----	43	341	613	8592	4.5	370	3	8183	356	42	8673	378
375 - 424----	133	1829	3193	9171	4.4	391	6	9632	402	130	9797	407
425 - 474----	178	4409	7336	10514	4.2	430	11	10901	448	174	10945	448
475 - 524----	93	2307	3874	11454	4.1	453	11	12344	490	89	12017	477
525 - 574----	23	158	283	11771	4.3	493	3	12764	544	22	12524	530
575 - 624----	4	18	32	12433	4.0	470	1	15481	594	3	11770	466
625 - OVER----	6	21	62	13824	4.3	571	1	15594	661	6	13608	576
NO REPORT----	275	1151	2785	8969	4.4	380				9	11817	468

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
							U.S.	MILK	AV.			
							NO.	LB.	LB.			
AYRSHIRE												
UNDER 275----	1	1	1	5810	4.6	269	1	5840	247	1	5842	250
275 - 324----	2	15	28	8290	4.3	349	6	7677	318	2	7820	321
325 - 374----	6	78	180	8610	4.2	360	9	8716	357	5	7094	374
375 - 424----	24	811	1548	9032	4.2	378	28	9635	396	24	9657	398
425 - 474----	6	43	57	9282	4.2	387	7	10643	438	6	10014	414
475 - 524----	2	4	4	11340	4.2	469	2	13510	510	1	11870	498
525 - 574----	2	2	2	14115	4.1	590	1	13055	538	2	11903	496
NO REPORT----	12	23	39	8746	3.9	371						
GUERNSEY												
UNDER 275----	2	2	5	5673	4.9	280	1	6140	242	2	7922	339
275 - 324----	3	5	9	6706	4.8	327	1	6450	313	2	6878	323
325 - 374----	13	45	136	6678	5.0	329	2	7773	359	11	7778	361
375 - 424----	31	1138	2526	8014	4.8	379	32	8954	406	29	8968	406
425 - 474----	30	461	957	8600	4.8	413	13	10440	450	29	10210	444
475 - 524----	14	49	106	8572	4.8	414	3	11618	490	14	11395	484
525 - 574----	4	6	12	10026	4.9	444	2	14063	542	4	12990	507
575 - 624----	1	1	1	12570	4.7	590	1	14610	591	1	14966	595
NO REPORT----	19	25	46	8028	4.8	382						
HOLSTEIN												
275 - 324----	4	5	7	7285	4.0	289	1	7623	291	4	8862	337
325 - 374----	6	31	73	10133	3.8	379	4	9464	361	6	10014	387
375 - 424----	37	179	348	11499	3.8	431	4	10835	409	33	10984	420
425 - 474----	113	6886	12857	11682	3.8	441	54	11931	451	111	12066	458
475 - 524----	83	588	1053	13025	3.7	486	7	13120	497	81	13243	504
525 - 574----	41	281	426	13762	3.9	525	6	14439	536	41	14106	539
575 - 624----	16	27	38	15345	3.9	591	2	15235	586	15	14668	558
625 - OVER----	5	5	6	17026	3.9	668	1	16417	645	4	14764	587
NO REPORT----	26	48	95	10615	3.8	394				3	12586	475
JERSEY												
UNDER 275----	5	10	18	6596	5.2	344	1	5397	257	5	6697	334
275 - 324----	1	1	1	7490	5.5	414	1	5340	293	1	7706	447
325 - 374----	7	31	85	7501	5.5	405	2	6678	344	7	6938	362
375 - 424----	16	154	338	7365	5.4	393	4	7840	407	16	8431	426
425 - 474----	29	497	1011	7846	5.3	414	7	8471	447	28	8613	455
475 - 524----	9	28	58	8032	5.4	435	2	9451	496	8	9002	475
525 - 574----	2	4	16	8610	6.0	509	1	10069	553	2	9369	518
575 - 624----	2	11	14	11481	5.4	615	6	10697	596	2	10566	558
NO REPORT----	19	29	52	7097	5.4	385				2	8824	451
BROWN SWISS												
UNDER 275----	1	1	1	6380	3.9	250	1	7100	260	1	10355	427
275 - 324----	1	2	2	8480	4.3	362	1	7050	300	1	8246	344
325 - 374----	6	11	17	9051	4.4	388	2	8508	360	5	9145	379
375 - 424----	9	208	395	10883	4.3	465	12	9782	407	9	9947	414
425 - 474----	5	48	110	10929	4.2	460	3	11134	458	5	10541	438
475 - 524----	2	3	5	11919	4.5	529	2	11490	500	1	11510	481
525 - 574----	5	12	23	11817	4.5	531	2	12654	546	4	11797	515
575 - 624----	3	7	18	11754	4.4	515	1	14747	605	3	12302	536
NO REPORT----	17	33	63	11563	4.4	497				4	11556	483
M. SHURTHORN												
UNDER 275----	1	3	3	7807	3.7	291	3	6753	260			
325 - 374----	1	1	1	6670	4.1	274	1	8630	327			
ALL BREEDS												
UNDER 275----	10	17	28	6432	4.8	309	1	5896	254	9	7281	336
275 - 324----	11	28	47	7492	4.4	328	2	7053	303	10	8080	343
325 - 374----	39	197	492	8019	4.6	363	3	8117	355	34	8394	370
375 - 424----	117	2490	5155	9457	4.4	404	17	9600	405	111	9718	412
425 - 474----	183	7735	14992	10469	4.2	431	37	11074	450	179	11114	453
475 - 524----	110	672	1226	11999	4.6	473	6	12606	496	105	12650	499
525 - 574----	54	305	479	13127	4.1	524	5	14034	554	53	13586	532
575 - 624----	22	46	71	14378	4.1	583	2	14728	589	21	13910	557
625 - OVER----	5	5	6	17026	3.9	662	1	16417	645	4	14764	587
NO REPORT----	93	158	295	9300	4.4	406				9	11292	473

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
325 - 374----	2	2	2	8935	3.9	346	1	8865	359	2	8938	360
375 - 424----	6	42	58	9855	4.1	395	6	9990	399	6	10171	406
425 - 474----	10	59	110	9961	4.2	412	4	10863	446	10	10703	438
475 - 524----	3	19	46	10420	4.2	433	3	11714	480	2	11202	466
NO REPORT----	7	9	24	9056	3.9	351						
GUERNSEY												
325 - 374----	5	7	31	7871	4.7	364	1	7626	357	5	7353	345
375 - 424----	2	21	41	7465	4.8	356	9	8878	404	2	8632	403
425 - 474----	8	25	54	9572	4.7	447	3	10019	449	7	9574	432
475 - 524----	3	13	34	8445	4.9	416	2	11074	509	3	9901	454
525 - 574----	2	2	4	12175	4.5	547	1	11395	535	1	11936	531
NO REPORT----	3	7	11	7605	4.8	367						
HOLSTEIN												
275 - 324----	1	1	2	17340	3.6	621	1	9450	297	1	14748	557
375 - 424----	22	38	57	11354	3.7	418	2	10789	406	20	11000	410
425 - 474----	35	148	265	12801	3.8	483	4	11945	448	31	12021	447
475 - 524----	22	113	161	13497	3.8	501	5	13127	496	20	12882	492
525 - 574----	10	24	47	14859	3.8	558	1	14298	549	8	13163	523
575 - 624----	6	18	29	14168	3.8	535	3	15923	597	6	14926	556
NO REPORT----	7	8	14	10789	3.6	398						
JERSEY												
NO REPORT----	13	21	42	7511	5.2	389				1	8938	486
BROWN SWISS												
325 - 374----	1	1	1	12910	4.0	511	1	8680	345	1	9756	389
NO REPORT----	1	1	2	12180	3.9	480						
ALL BREDS												
275 - 324----	1	1	2	17340	3.6	621	1	9450	297	1	14748	557
325 - 374----	8	10	34	8767	4.4	378	1	8073	356	6	8050	354
375 - 424----	30	101	156	10795	3.9	409	3	10502	405	28	10653	409
425 - 474----	53	232	429	11778	4.0	464	4	11450	448	46	11389	443
475 - 524----	28	145	241	12626	3.9	485	4	12756	496	25	12390	485
525 - 574----	12	26	53	14412	3.9	556	1	13814	546	9	13026	524
575 - 624----	6	18	29	14168	3.8	536	3	15923	597	6	14926	556
NO REPORT----	31	46	93	8760	4.5	383				1	8938	486

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	365-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
325 - 374----	13	85	182	8596	4.1	357	3	9076	364	13	9016	364
375 - 424----	35	489	1135	9210	4.1	377	9	9772	398	34	9717	397
425 - 474----	4	12	22	8707	4.1	357	1	10435	453	3	10356	424
475 - 524----	1	5	9	8859	4.1	363	2	12385	499	1	10492	424
NO REPORT----	10	40	115	9096	4.2	377				1	8905	400
GUERNSEY												
275 - 324----	1	1	1	7080	4.3	366	1	6710	314			
325 - 374----	7	9	25	7504	4.5	334	1	8038	362	6	8060	370
375 - 424----	36	769	1819	7876	4.7	369	13	8990	405	36	8991	409
425 - 474----	37	737	1575	9050	4.7	426	16	9890	444	37	9723	440
475 - 524----	16	30	76	9269	4.9	450	2	10501	500	14	10621	505
525 - 574----	4	15	37	11223	4.7	528	1	10758	546	4	11768	592
575 - 624----	1	1	4	10215	5.3	539	1	11813	603	1	11737	588
625 - OVER----	2	2	6	13749	4.7	636	1	12807	628	2	12254	599
NO REPORT----	40	110	263	8267	4.9	403						
HOLSTEIN												
275 - 324----	8	10	15	8715	3.6	315	1	8271	303	7	9764	362
325 - 374----	13	35	82	10658	3.6	381	1	9465	353	12	9819	361
375 - 424----	39	283	776	11869	3.6	432	3	10874	402	35	11261	416
425 - 474----	67	3336	7530	11974	3.7	443	39	12218	453	66	12157	453
475 - 524----	76	3108	4523	13295	3.8	499	38	13337	498	75	13320	503
525 - 574----	53	193	344	14035	3.7	520	4	14655	547	51	14364	543
575 - 624----	13	23	35	15539	3.8	589	2	15320	588	12	14739	572
625 - OVER----	6	8	14	14910	3.7	550	1	16901	658	6	15695	580
NO REPORT----	34	89	211	12240	3.6	443				3	14777	548
JERSEY												
375 - 424----	12	24	48	7976	5.3	419	1	7790	404	10	8049	418
425 - 474----	14	43	104	8236	5.3	436	2	8493	451	13	8456	446
475 - 524----	12	180	248	8636	5.2	452	6	9384	500	12	9401	486
525 - 574----	1	2	3	8868	4.9	430	1	10110	537	1	9473	508
575 - 624----	1	14	21	8210	5.7	466	7	10613	575	1	9884	488
NO REPORT----	29	57	112	8619	5.3	452				2	12879	488
BROWN SWISS												
UNDER 275----	2	4	4	6215	4.3	267	1	2390	106	2	5924	395
275 - 324----	1	1	3	7007	4.3	295	1	8103	317	1	7957	292
325 - 374----	1	3	3	7490	4.1	307	3	7513	327	1	7187	395
425 - 474----	4	40	67	10539	4.1	431	6	10786	452	4	10917	456
475 - 524----	6	65	116	11671	4.3	495	6	11841	507	6	11764	503
525 - 574----	3	22	36	12107	4.4	535	5	12884	556	3	12052	523
575 - 624----	4	8	17	12440	4.4	540	1	13433	584	4	12390	536
625 - OVER----	1	1	1	9220	4.7	432	1	13580	639	1	12699	580
NO REPORT----	11	17	31	10311	4.1	423				1	12372	470
M. SHURTHORN												
325 - 374----	1	1	1	3860	4.4	172	1	8700	344	1	7772	306
ALL BREEDS												
UNDER 275----	2	4	4	6215	4.3	267	1	2390	106	2	5924	395
275 - 324----	11	13	20	7619	3.4	284	1	8013	303	9	9284	346
325 - 374----	35	131	293	8977	4.0	354	2	8958	358	33	9041	363
375 - 424----	122	1565	3778	9545	4.3	396	7	9699	402	115	9815	408
425 - 474----	126	4168	9298	10551	4.2	434	26	11018	450	123	10949	447
475 - 524----	111	3388	4972	12084	4.1	486	28	12411	499	103	12422	500
525 - 574----	61	232	420	13671	3.8	520	3	14238	547	59	13988	544
575 - 624----	19	46	77	14220	4.1	569	2	14490	588	18	13780	560
625 - OVER----	9	11	21	14020	4.0	556	1	15622	649	9	14598	584
NO REPORT----	124	313	732	9687	4.5	425				7	13052	498

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTER NO.	RECORD NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
275 - 324---	3	8	15	8993	3.9	353	1	7762	307	1	7434	296
325 - 374---	7	39	65	9179	4.1	374	2	9106	358	7	9508	377
375 - 424---	41	2601	5291	9432	4.1	385	24	10066	403	40	10171	409
425 - 474---	12	218	420	10529	4.1	426	10	10982	442	11	10955	446
475 - 524---	5	15	28	10441	4.2	440	2	12112	491	3	11018	449
525 - 574---	1	1	1	11510	4.1	471	1	11700	525	1	8360	358
625 - OVER---	1	26	72	9137	3.9	359	1	15460	697			
NO REPORT---	31	105	296	9485	4.0	379						
GUERNSEY												
UNDER 275---	2	5	6	7415	4.7	349	2	5207	237	1	9529	417
275 - 324---	3	12	13	6661	4.7	310	3	6776	303	2	8742	396
325 - 374---	14	292	634	7653	4.8	366	2	8003	361	11	8857	402
375 - 424---	49	2877	5913	8224	4.8	391	14	8879	405	46	9047	423
425 - 474---	37	1130	2775	8360	4.8	402	4	9814	444	34	9623	445
475 - 524---	7	55	104	8818	4.7	408	2	10068	492	6	9925	479
525 - 574---	3	7	22	8595	4.7	414	1	11201	527	1	8960	459
575 - 624---	1	3	7	7734	5.0	384	1	10705	576			
NO REPORT---	125	705	1921	8101	4.8	387				5	9204	426
HOLSTEIN												
UNDER 275---	3	8	15	7431	3.7	270	1	5800	206	3	10831	385
275 - 324---	1	6	6	9640	3.7	362	5	7296	281	1	12252	458
325 - 374---	15	161	483	11100	3.5	391	1	10141	355	13	11234	401
375 - 424---	48	846	2149	11438	3.7	414	3	11052	404	40	11662	424
425 - 474---	215	58405	112949	12257	3.6	445	121	12536	457	208	12609	458
475 - 524---	131	6179	10795	12752	3.7	474	28	13362	492	125	13194	485
525 - 574---	38	576	1353	13218	3.8	495	4	14723	548	36	14402	534
575 - 624---	11	56	126	13906	3.7	507	2	15837	592	10	14510	545
NO REPORT---	211	1648	5326	11666	3.6	419				6	12625	467
JERSEY												
UNDER 275---	1	1	1	3760	4.6	172	1	3760	172			
275 - 324---	5	18	26	7481	5.0	372	2	5958	303	5	8230	404
325 - 374---	10	203	516	7019	5.5	383	4	6745	351	9	7087	369
375 - 424---	43	1455	3037	7642	5.2	397	11	7689	405	39	8184	414
425 - 474---	21	734	1647	8193	5.2	417	7	8670	444	21	8796	451
475 - 524---	8	31	41	8628	5.3	453	3	9283	498	8	9405	505
525 - 574---	1	4	5	10510	5.7	594	4	9425	529			
NO REPORT---	51	136	355	7523	5.4	400				7	9591	431
BROWN SWISS												
275 - 324---	1	12	28	10815	4.1	441	1	7625	303	1	13567	557
325 - 374---	1	2	2	8800	3.8	352	2	8905	351	1	8480	348
375 - 424---	7	77	127	9668	4.2	394	3	10152	407	6	10199	412
425 - 474---	31	1024	1759	10626	4.2	443	14	10966	453	31	11173	455
475 - 524---	11	60	106	11985	4.2	499	3	11992	498	16	11656	475
525 - 574---	7	12	18	12173	4.2	510	1	12623	538	6	12051	502
625 - OVER---	1	1	1	15390	3.8	584	1	15270	640	1	13603	567
NO REPORT---	23	53	116	10193	4.2	427				3	11665	466
M. SHORTHORN												
UNDER 275---	2	10	11	7530	4.0	296	2	6494	256	2	6557	252
325 - 374---	1	2	2	7260	4.0	286	1	10870	368	1	11129	380
NO REPORT---	1	1	1	9620	3.9	377						
ALL BREEDS												
UNDER 275---	8	24	33	6993	4.1	284	2	5570	222	6	9189	346
275 - 324---	13	56	88	8063	4.5	358	2	6794	302	10	9191	412
325 - 374---	48	699	1702	8836	4.4	376	2	8648	356	42	9367	389
375 - 424---	188	7856	16517	9229	4.4	397	12	9513	405	171	9765	417
425 - 474---	316	61511	119550	11308	4.0	437	85	11747	454	305	11808	456
475 - 524---	162	6340	11074	12255	3.9	471	23	12886	492	152	12722	464
525 - 574---	50	600	1399	12706	3.9	494	3	14051	545	44	13820	524
575 - 624---	12	59	133	13392	3.8	497	2	15409	591	10	14510	545
625 - OVER---	2	27	73	12264	3.9	472	1	15365	669	1	13603	567
NO REPORT---	442	2848	8015	9946	4.2	405				23	10833	447

TABLE 11.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE			
							DAUS. NO.	MILK LB.	AV. FAT LB.	SIRE NO.	MILK LB.	AVERAGE FAT LB.	
AYRSHIRE													
375 - 424----	2	4	7	8829	4.2	365							
NO REPORT----	17	29	55	9022	4.3	383		2	8994	388	2	9608	396
											1	9461	366
GUERNSEY													
275 - 324----	1	1	2	8740	5.4	465		1	6535	303	1	6911	294
325 - 374----	7	101	229	7683	4.7	361		1	7861	353	6	8892	386
375 - 424----	24	216	513	8043	4.8	384		2	8830	413	21	9393	420
425 - 474----	32	698	1445	8538	4.9	414		5	9513	443	29	9567	427
475 - 524----	9	173	405	10164	4.9	464		4	10100	495	8	8753	422
525 - 574----	4	23	69	7924	4.7	371		2	11615	544	4	10374	446
NO REPORT----	104	609	1534	8080	4.8	382					4	9695	432
HOLSTEIN													
325 - 374----	13	158	425	11018	3.6	394		1	9761	359	12	10992	404
375 - 424----	32	333	757	11339	3.7	415		3	10929	402	31	11563	432
425 - 474----	125	6796	13871	12071	3.7	445		23	12263	453	122	12171	451
475 - 524----	90	2348	5129	12676	3.8	473		11	13136	495	86	12860	482
525 - 574----	26	216	588	13872	3.8	523		2	14577	547	25	13728	513
575 - 624----	6	14	29	14325	3.6	515		1	15092	587	4	14063	549
625 - OVER----	3	3	3	19107	4.2	752		1	16537	654	2	16786	671
NO REPORT----	166	792	2485	11626	3.6	420					2	9578	354
JERSEY													
325 - 374----	1	1	1	2090	5.9	123		1	5100	332			
375 - 424----	2	4	8	6920	5.3	350		2	7589	396	2	8635	446
425 - 474----	3	22	45	8057	5.5	438		3	9121	452	3	8490	419
475 - 524----	5	70	138	10135	5.2	530		7	9356	492	5	9181	476
525 - 574----	2	26	66	9105	5.0	451		1	9995	539	1	9036	472
575 - 624----	1	8	20	9543	5.6	536		2	10977	575	1	9730	540
NO REPORT----	35	145	381	7702	5.2	399					4	11208	455
BROWN SWISS													
325 - 374----	1	1	1	7390	4.2	312		1	8910	373			
375 - 424----	14	277	547	10293	4.2	427		6	10246	411	12	10282	427
425 - 474----	13	140	264	11145	4.2	467		5	10861	453	13	10896	458
475 - 524----	15	63	120	11216	4.2	471		2	11917	495	15	11778	492
525 - 574----	1	1	1	10240	4.1	413		1	13790	559	1	12023	510
NO REPORT----	35	113	279	10356	4.2	438							
ALL BREEDS													
275 - 324----	1	1	2	8740	5.4	465		1	6535	303	1	6911	294
325 - 374----	22	261	656	9386	4.1	368		1	8906	357	18	10292	398
375 - 424----	74	834	1832	9885	4.2	404		3	9976	407	68	10523	427
425 - 474----	173	7656	15625	11278	4.0	441		18	11595	451	167	11553	447
475 - 524----	119	2654	5792	12195	4.0	475		9	12574	495	116	12278	479
525 - 574----	33	266	724	12752	4.0	497		2	13916	546	51	13089	503
575 - 624----	7	22	49	13642	3.9	516		1	14504	585	5	13196	547
625 - OVER----	3	3	3	19107	4.2	752		1	16537	654	2	16786	671
NO REPORT----	357	1688	4734	9960	4.2	407					11	10202	420

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 275----	2	3	5	5807	4.3	245	2	6444	237	2	7950	327
275 - 324----	8	32	57	7539	4.2	312	3	7899	312	8	8569	343
325 - 374----	35	716	1569	8750	4.1	358	16	8799	358	34	9300	380
375 - 424----	43	1930	3735	8991	4.2	375	38	9510	389	45	9650	395
425 - 474----	9	17	41	9722	4.2	404	2	10796	442	8	10934	445
475 - 524----	2	5	8	13049	4.4	572	3	11567	497	2	11602	506
525 - 574----	1	1	2	12310	4.5	550	1	11930	535	1	12328	534
NO REPORT----	8	16	50	8607	4.1	355						
GUERNSEY												
275 - 324----	9	19	24	6779	4.9	336	2	6649	304	7	8335	382
325 - 374----	62	790	1813	7085	4.9	346	6	7978	359	57	8559	386
375 - 424----	238	12940	29875	7515	4.8	360	43	8765	395	229	8858	403
425 - 474----	28	162	437	8395	5.0	412	3	9435	441	25	9342	439
475 - 524----	6	8	24	10037	4.6	451	1	10935	495	5	9298	463
525 - 574----	1	1	2	11610	5.0	577	1	10250	542	1	9145	486
NO REPORT----	42	55	109	7689	4.8	368						
HOLSTEIN												
UNDER 275----	3	4	4	8820	3.7	321	1	6607	239	1	13941	524
275 - 324----	15	21	50	9335	3.5	329	1	8173	305	9	9851	382
325 - 374----	51	138	282	10214	3.7	373	2	9526	353	36	10237	382
375 - 424----	224	17278	39432	11198	3.7	409	61	11032	407	215	11253	418
425 - 474----	397	71823	141908	11734	3.7	436	165	11853	443	380	12120	454
475 - 524----	60	405	647	12915	3.7	480	6	13163	494	54	13021	492
525 - 574----	8	14	19	12853	3.7	464	2	14540	545	5	13759	508
575 - 624----	6	11	13	14702	3.7	548	2	15522	597	5	14967	571
625 - 674----	2	11	13	16449	4.0	644	6	16744	660	2	14795	565
NO REPORT----	54	79	133	11253	3.6	402				2	13309	508
JERSEY												
UNDER 275----	2	3	3	2263	4.9	112	1	3875	200	2	8584	444
275 - 324----	6	17	28	6109	5.2	308	2	6200	307	5	7714	401
325 - 374----	17	229	459	7136	5.3	375	6	7025	354	17	7606	391
375 - 424----	71	3040	6594	7250	5.3	381	18	7742	402	68	7800	409
425 - 474----	33	939	1859	7692	5.3	407	14	8334	436	30	8500	446
475 - 524----	10	84	229	8492	5.4	453	3	9020	488	10	8514	456
525 - 574----	1	1	1	8380	5.1	423	1	10270	572			
NO REPORT----	47	88	204	6854	5.2	353				4	7957	376
BROWN SWISS												
UNDER 275----	3	5	8	7225	4.2	304	1	6677	261	2	8088	318
275 - 324----	1	1	1	8310	4.0	329	1	7640	302	1	8088	318
325 - 374----	5	16	26	7615	4.2	316	2	8812	359	5	8285	340
375 - 424----	6	119	207	9989	4.3	428	8	9984	409	6	10062	420
425 - 474----	22	435	790	10481	4.2	440	11	10837	449	22	10528	440
475 - 524----	4	23	28	10652	4.3	457	4	11651	485	4	11224	471
525 - 574----	1	8	8	11476	4.3	497	5	13220	543	1	12590	545
NO REPORT----	26	28	51	10158	4.1	417						
M. SHORTHORN												
UNDER 275----	6	17	23	6910	3.7	253	1	5541	197	5	5567	206
275 - 324----	1	1	2	4820	4.2	193	1	8525	324	1	5325	221
375 - 424----	1	1	1	9110	3.9	355	1	10480	395	1	9178	353
NO REPORT----	1	2	3	7660	4.4	333						
ALL BREEDS												
UNDER 275----	16	32	43	6608	4.0	257	1	5876	225	12	7565	311
275 - 324----	40	91	162	7778	4.2	321	2	7475	307	31	8630	368
325 - 374----	170	1889	4149	8387	4.4	359	8	8541	357	151	9032	383
375 - 424----	583	35308	79844	9035	4.4	383	46	9582	400	562	9720	409
425 - 474----	489	73381	145035	11176	3.9	432	135	11412	443	465	11641	452
475 - 524----	82	525	936	12058	4.0	476	5	12382	493	73	12113	485
525 - 574----	12	25	32	12218	4.0	480	2	13499	546	6	12857	513
575 - 624----	6	11	13	14702	3.7	548	2	15522	597	5	14967	571
625 - 674----	2	11	13	16449	4.0	644	6	16744	660	2	14795	565
NO REPORT----	178	268	550	8952	4.4	381				6	9741	421

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED-RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
							DAUS. NO.	MILK LB.	FAT LB.			
AYRSHIRE												
UNDER 275----	2	d	12	8105	3.9	318	1	5865	215	2	8453	311
275 - 324----	1	2	2	7530	3.9	300	2	7720	315			
325 - 374----	11	52	109	9007	4.1	369	5	9005	359	9	9006	359
375 - 424----	28	699	1298	9707	4.0	367	14	9932	391	26	9884	386
425 - 474----	3	20	44	9399	4.2	393	2	11102	451	3	11093	461
475 - 524----	2	9	16	9006	3.7	334	2	12844	488	2	12639	488
NO REPORT----	12	23	47	8790	4.1	356						
GUERNSEY												
UNDER 275----	1	1	3	8953	4.2	382	1	5750	255			
275 - 324----	3	5	8	6901	4.5	308	1	7038	314	2	7818	366
325 - 374----	23	121	270	7726	4.7	362	5	7885	354	22	8192	375
375 - 424----	72	1326	2954	7997	4.8	378	15	8954	400	60	8724	448
425 - 474----	32	247	414	8619	4.7	402	6	9931	443	31	9674	450
475 - 524----	8	23	42	9732	4.7	447	2	11158	492	4	10335	441
525 - 574----	1	1	1	9760	5.0	485	1	10760	534			
NO REPORT----	32	48	65	7743	4.8	369						
HOLSTEIN												
UNDER 275----	1	1	1	4390	3.7	161	1	4660	188			
275 - 324----	3	3	4	10253	3.4	347	1	8682	316	2	7799	311
325 - 374----	12	24	50	11033	3.5	387	1	10217	360	10	11421	409
375 - 424----	66	604	1522	11575	3.6	413	5	11355	405	61	11434	408
425 - 474----	195	13590	24491	12384	3.6	447	63	12505	449	195	12519	449
475 - 524----	43	216	327	13221	3.7	480	4	13635	495	36	13419	480
525 - 574----	13	14	27	12732	3.7	475	1	14431	541	12	13604	500
575 - 624----	1	1	3	10603	3.8	402	1	13430	580			
625 - OVER----	1	2	2	12640	3.7	480	1	17840	750	1	12382	496
NO REPORT----	39	65	129	11177	3.5	388				1	13571	451
JERSEY												
UNDER 275----	1	1	1	2380	5.6	133	1	4300	218			
275 - 324----	3	6	8	6043	4.9	299	2	5813	303	2	7583	385
325 - 374----	14	88	221	7203	5.4	387	2	7217	360	8	7492	371
375 - 424----	54	1748	3335	7653	5.2	394	22	7904	403	51	8049	414
425 - 474----	44	546	1036	8007	5.3	423	8	8526	445	41	8487	447
475 - 524----	9	20	26	8475	5.3	443	2	9382	492	9	8430	459
525 - 574----	5	5	10	10020	5.5	543	1	10496	554	4	9701	509
NO REPORT----	33	59	117	7528	5.2	387				1	8273	410
BROWN SWISS												
UNDER 275----	1	4	4	6228	4.0	251	1	4690	189			
275 - 324----	1	1	4	7808	4.0	313	1	7603	307	1	7928	319
325 - 374----	3	3	4	9802	4.0	387	1	8705	345	1	9233	374
375 - 424----	18	140	263	10233	4.1	418	4	10138	413	17	10310	415
425 - 474----	33	919	1561	10430	4.1	430	16	10909	447	32	10592	435
475 - 524----	15	263	444	11423	4.1	472	10	11869	490	13	11235	456
525 - 574----	1	1	2	12670	4.0	517	1	12560	525	1	10388	409
575 - 624----	1	8	16	8463	4.5	377	1	14490	578	1	10715	446
NO REPORT----	21	30	68	11666	4.2	427						
M. SHORTHORN												
275 - 324----	3	5	7	7510	3.8	286	2	7851	299	3	8449	334
375 - 424----	1	2	3	10380	3.9	404	2	10403	405	1	7870	300
ALL BREEDS												
UNDER 275----	6	15	21	6360	4.2	260	1	5188	213	2	8453	311
275 - 324----	14	22	33	7676	4.1	309	1	7391	309	10	7967	344
325 - 374----	63	288	654	8562	4.5	375	2	8415	357	50	8893	378
375 - 424----	241	4519	9375	9305	4.4	396	12	9604	402	224	9620	419
425 - 474----	307	15322	27546	11125	4.0	436	43	11481	447	292	11425	447
475 - 524----	77	531	855	11844	4.0	467	5	12516	494	66	12105	470
525 - 574----	20	21	40	11912	4.3	494	1	13170	543	17	12497	497
575 - 624----	2	9	19	9533	4.2	390	1	13960	579	1	10715	446
625 - OVER----	1	2	2	12640	3.7	480	1	17840	750	1	12382	496
NO REPORT----	137	225	446	9365	4.4	396				2	10922	431

TABLE 11.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	Sires NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY DAUS. NO.	CONTEMPORARY MILK LB.	AV. FAT LB.	YEARLY Sires NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 275---	1	1	1	6980	3.7	257	1	6000	258	1	7652	306
275 - 324---	4	7	9	9100	4.2	378	1	8035	317	3	7852	306
325 - 374---	8	22	51	8927	4.3	377	3	8884	364	8	9889	397
375 - 424---	7	48	79	9224	4.0	365	6	9849	394	7	9621	380
425 - 474---	4	11	28	9746	4.0	385	2	9590	440	1	10254	402
NO REPORT---	7	8	14	8250	4.2	339						
GUERNSEY												
275 - 324---	1	1	1	10270	4.2	450	1	7040	300	1	8044	349
325 - 374---	8	19	44	8378	4.6	382	2	7532	350	5	8825	410
375 - 424---	44	372	758	8480	4.8	402	6	8735	407	43	8714	410
425 - 474---	42	526	1155	8492	4.9	411	9	9312	445	46	9180	442
475 - 524---	9	18	49	9176	5.0	453	1	10312	491	9	10018	475
525 - 574---	8	20	53	9251	4.9	445	2	11457	542	6	9681	469
575 - 624---	3	32	81	10487	4.9	507	6	11546	602	3	10633	549
625 - OVER---	2	3	7	9936	5.0	489	1	12538	640	2	11211	599
NO REPORT---	39	51	73	8229	5.0	408						
HOLSTEIN												
UNDER 275---	1	1	1	11610	3.9	452	1	6890	264			
275 - 324---	3	3	4	9847	3.6	347	1	8755	312	3	8520	307
325 - 374---	10	14	25	11359	3.8	426	1	9783	356	8	10077	382
375 - 424---	25	207	479	11878	3.5	413	7	11689	408	23	11958	421
425 - 474---	92	1560	2900	12563	3.7	457	15	12472	456	89	12440	455
475 - 524---	103	2135	3694	13050	3.7	481	18	13399	494	99	13019	481
525 - 574---	29	239	402	13836	3.7	516	7	14458	545	24	13239	498
575 - 624---	11	23	54	13508	3.9	514	2	16027	603	11	14937	559
625 - OVER---	2	2	3	14128	3.5	487	1	16270	633	2	15702	596
NO REPORT---	58	70	119	12025	3.6	435				5	11619	421
JERSEY												
275 - 324---	2	2	2	6245	5.7	352	1	5730	293	2	6693	343
325 - 374---	12	51	100	7653	5.1	384	2	6974	351	8	7553	381
375 - 424---	14	84	161	7984	5.3	417	3	7795	402	13	7849	402
425 - 474---	24	121	236	8089	5.3	423	4	8424	441	23	8454	441
475 - 524---	9	31	53	8582	5.2	440	2	9974	501	9	8821	452
525 - 574---	3	5	6	10666	5.2	588	2	10612	537	2	9211	483
NO REPORT---	24	47	90	8204	5.2	424				1	8833	416
BROWN SWISS												
275 - 324---	2	4	8	9207	4.2	386	2	8105	307	2	9388	373
325 - 374---	3	17	34	9626	3.8	362	2	8608	338	3	8551	341
375 - 424---	4	23	44	10295	4.1	416	5	10513	402	4	10918	436
425 - 474---	19	134	228	10940	4.0	441	5	11191	452	19	10689	433
475 - 524---	7	33	57	11338	4.3	487	4	12122	494	7	11528	469
525 - 574---	5	12	20	11757	4.2	490	1	13400	546	4	10947	449
NO REPORT---	18	20	34	9695	4.2	406				1	10115	402
M. SHORTHORN												
UNDER 275---	1	1	1	11120	3.5	394	1	6470	256	1	8971	343
275 - 324---	2	2	2	8250	4.0	325	1	8115	308	1	5853	207
NO REPORT---	1	1	1	11510	3.6	412						
ALL BREEDS												
UNDER 275---	3	3	3	9703	3.7	368	1	6453	259	2	8312	325
275 - 324---	14	19	26	8830	4.2	365	1	7810	308	12	7931	319
325 - 374---	41	123	254	9091	4.4	391	2	8260	353	32	9060	386
375 - 424---	94	734	1521	9443	4.4	405	6	9540	406	90	9587	410
425 - 474---	181	2352	4547	10792	4.2	438	11	11004	451	172	10943	447
475 - 524---	128	2217	3853	12370	3.9	476	15	12871	494	124	12412	478
525 - 574---	45	276	481	12579	4.1	503	5	13551	544	36	12168	487
575 - 624---	14	55	135	12861	4.1	513	3	15067	603	14	14015	557
625 - OVER---	4	5	10	12032	4.2	498	1	14404	636	4	13456	598
NO REPORT---	147	197	331	9925	4.3	418				7	11006	417

TABLE 11.--DAUGHTER-AVERAGE OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
275 - 324----	1	1	3	7613	4.0	305	1	8210	304			
325 - 374----	8	36	58	8089	4.1	328	4	8635	350	6	9425	379
375 - 424----	6	13	21	9008	4.3	385	2	9628	395	6	10025	407
425 - 474----	3	6	8	9918	4.2	418	2	10579	453	2	9741	418
NO REPORT----	1	3	7	6053	4.1	248				1	7913	302
GUERNSEY												
UNOER 275----	2	2	2	6705	4.5	305	1	5705	256			
275 - 324----	3	3	5	6930	4.2	284	1	7071	302	3	6849	292
325 - 374----	10	45	76	7360	4.8	352	4	7795	359	6	7892	353
375 - 424----	51	548	1198	7775	4.8	380	8	8833	401	46	8625	394
425 - 474----	70	952	1978	8407	4.8	398	10	9783	444	66	9396	426
475 - 524----	8	24	41	8967	5.0	450	2	10741	493	3	9365	449
525 - 574----	4	7	24	10483	4.8	502	1	10827	533	4	10416	514
575 - 624----	2	14	33	13711	4.9	657	7	10141	602	1	16316	554
NO REPORT----	30	71	111	7440	4.8	356						
HOLSTEIN												
UNOER 275----	3	3	3	10750	3.9	411	1	6220	228	1	12012	465
275 - 324----	3	17	36	11087	3.4	369	2	8797	304	2	10089	353
325 - 374----	11	24	35	9180	3.4	338	1	9781	352	8	11017	402
375 - 424----	42	281	641	11672	3.7	425	5	11104	406	33	11425	418
425 - 474----	189	13366	26420	12260	3.7	452	56	12356	455	177	12239	453
475 - 524----	122	8534	13887	12737	3.7	471	64	13259	490	119	13027	481
525 - 574----	29	76	135	14885	3.7	530	2	14412	559	23	13808	516
575 - 624----	2	2	3	15610	4.0	619	1	15433	600	2	13838	527
625 - OVER----	2	2	3	16300	3.6	593	1	15770	626	1	15707	592
NO REPORT----	40	58	94	12038	3.7	440				3	12341	453
JERSEY												
275 - 324----	2	3	4	9633	4.6	434	1	6155	296	1	7281	360
325 - 374----	9	21	39	6852	5.5	357	2	6994	344	7	7378	369
375 - 424----	34	471	861	7616	5.2	394	9	7612	401	30	7935	413
425 - 474----	27	141	223	8095	5.2	419	3	8613	445	25	8356	436
475 - 524----	8	23	64	8951	5.2	461	2	9768	509	8	9004	482
525 - 574----	2	5	10	8683	5.3	447	2	9882	546	2	8805	481
575 - 624----	1	4	8	9524	5.4	507	2	11450	585	1	10290	521
NO REPORT----	12	16	29	7903	5.4	415				1	6257	342
BROWN SWISS												
275 - 324----	1	1	1	10010	4.3	430	1	7190	278	1	10268	428
325 - 374----	3	4	9	8648	4.4	377	1	8773	364	1	8513	354
375 - 424----	12	36	57	10255	4.1	416	2	9865	402	6	9638	391
425 - 474----	41	635	1481	10666	4.2	444	16	11078	453	38	10702	441
475 - 524----	27	712	1260	11413	4.2	477	20	11879	491	25	11500	474
525 - 574----	7	10	16	11967	4.3	508	1	13154	546	5	12703	516
575 - 624----	1	1	3	13920	4.2	590	1	13180	577	1	12394	499
NO REPORT----	12	16	17	9132	4.2	389				1	12241	496
M. SHORTHORN												
UNOER 275----	1	4	8	8383	3.9	325	2	7266	264	1	5534	217
275 - 324----	7	13	17	8073	3.9	317	1	7945	301	5	6568	251
325 - 374----	5	15	23	8404	4.0	339	2	9165	348	5	7575	292
375 - 424----	5	13	18	9043	3.8	348	2	10041	390	5	8536	317
NO REPORT----	7	7	11	7418	3.6	281						
ALL BREEDS												
UNOER 275----	6	9	13	9007	4.1	361	1	6223	243	2	8773	341
275 - 324----	17	38	66	8674	4.0	340	1	7702	300	12	7593	302
325 - 374----	46	145	240	8164	4.3	345	3	8472	352	33	8809	367
375 - 424----	150	1362	2796	9188	4.5	398	7	9347	402	126	9311	402
425 - 474----	330	15300	30110	10883	4.1	436	37	11329	452	308	11109	444
475 - 524----	165	9293	15252	12154	3.9	471	51	12742	491	160	12404	478
525 - 574----	42	98	185	13339	4.0	520	2	13642	540	34	12952	514
575 - 624----	6	21	47	13648	4.5	609	3	12626	594	5	12135	526
625 - OVER----	2	2	3	16300	3.6	593	1	15770	626	1	15707	592
NO REPORT----	102	171	269	9481	4.3	343				6	10572	417

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
275 - 324----	1	2	2	6485	3.9	252	2	10050	319			
325 - 374----	3	8	8	8622	3.9	338	3	8833	347	3	9596	376
375 - 424----	6	24	36	9877	4.1	405	4	10533	405	6	11171	433
425 - 474----	7	21	38	10077	4.1	408	3	11224	444	7	10622	428
525 - 574----	1	1	1	12570	4.5	564	1	12560	561	1	11848	523
NO REPORT----	3	7	13	10136	3.8	384						
GUERNSEY												
UNDER 275----	1	1	1	5680	4.3	245	1	6920	264			
275 - 324----	2	2	2	7365	4.3	318	1	6650	299			
325 - 374----	25	76	115	6889	4.9	330	2	6014	357	23	9110	406
375 - 424----	89	1569	3021	8143	4.8	389	13	8868	403	86	9336	423
425 - 474----	38	361	692	8708	4.8	419	7	9836	448	38	9978	453
475 - 524----	15	35	77	9187	4.8	441	2	11133	501	12	10233	474
525 - 574----	3	6	11	9188	5.0	457	2	11178	543	3	10812	533
625 - OVER----	4	4	5	8320	4.8	384	1	15970	765			
NO REPORT----	32	58	103	8041	4.8	387				1	9014	402
HOLSTEIN												
UNDER 275----	1	1	1	9360	3.8	353	1	7910	273			
275 - 324----	8	10	12	8915	3.7	334	1	8358	301	6	11153	398
325 - 374----	16	41	62	9962	3.7	366	2	9867	358	13	10784	396
375 - 424----	81	636	1181	11394	3.7	413	6	11205	406	72	11910	436
425 - 474----	251	15925	27021	12232	3.7	447	56	12250	450	248	12678	466
475 - 524----	74	665	1075	12583	3.7	467	8	13407	494	67	13642	500
525 - 574----	27	70	137	14008	3.7	517	2	14740	543	20	14250	524
575 - 624----	9	16	23	14263	3.7	533	2	15487	592	8	15823	585
625 - OVER----	2	2	2	15420	3.6	541	1	18280	676	1	15467	586
NO REPORT----	39	62	105	12925	3.5	449				3	12132	443
JERSEY												
UNDER 275----	1	2	2	5345	5.4	264	2	4855	250	1	7685	405
275 - 324----	2	4	6	6198	4.8	292	2	6310	322	2	7570	398
325 - 374----	17	172	337	7569	5.2	390	4	7011	357	17	7468	384
375 - 424----	40	563	1011	7685	5.2	398	8	7747	400	36	8309	427
425 - 474----	18	104	226	8344	5.2	430	3	8527	444	17	8664	444
475 - 524----	3	10	24	10763	5.4	578	3	9259	500	3	9719	530
525 - 574----	5	13	18	8141	5.3	427	2	10946	546	4	9380	511
NO REPORT----	24	53	118	7560	5.3	399				2	8144	439
BROWN SWISS												
UNDER 275----	1	2	3	9180	3.9	353	1	3790	169	1	10148	428
275 - 324----	4	8	12	9528	4.0	385	1	7823	313	3	10401	419
325 - 374----	3	9	12	6276	4.2	258	1	6967	357	2	9703	382
375 - 424----	8	91	150	10164	4.1	409	7	10115	397	6	10821	426
425 - 474----	14	106	190	10679	4.1	450	4	11099	447	14	11106	449
475 - 524----	18	42	86	12021	4.2	510	2	12286	498	18	11949	484
525 - 574----	1	2	2	10515	4.2	436	1	14550	554	1	11990	493
NO REPORT----	13	17	34	10454	3.9	411						
M. SHORTHORN												
275 - 324----	1	1	1	7400	3.4	249	1	8680	293	1	9941	346
325 - 374----	1	1	1	11040	4.4	485	1	8850	357			
375 - 424----	2	4	6	9126	4.1	368	2	9548	399	1	9102	327
425 - 474----	1	2	2	14985	3.7	543	1	12250	438	1	9668	342
NO REPORT----	3	4	5	8550	3.8	325						
RED DANE												
325 - 374----	1	5	5	8944	4.0	355	2	9475	358	1	11086	436
375 - 424----	1	6	9	10815	4.1	440	4	10819	405	1	11572	439
ALL BREEDS												
UNDER 275----	4	6	7	7391	4.4	309	1	5869	239	2	8917	417
275 - 324----	18	27	35	8360	4.0	329	1	7934	306	12	10267	399
325 - 374----	66	312	540	7954	4.6	354	3	8320	356	59	9074	395
375 - 424----	227	2893	5414	9361	4.4	400	9	9607	403	210	10161	428
425 - 474----	329	16519	28169	11508	3.9	441	44	11697	449	325	12031	461
475 - 524----	110	752	1262	11978	4.0	473	6	12900	496	100	12810	495
525 - 574----	37	92	169	12671	4.1	499	2	13876	544	29	13062	522
575 - 624----	9	16	23	14263	3.7	533	2	15487	592	6	15823	585
625 - OVER----	6	6	7	10667	4.4	436	1	16740	735	1	15467	586
NO REPORT----	114	201	378	9954	4.3	412				6	10233	435

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL PRELIMING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRES NO.	HERD AVERAGE MILK LB.	FAT LB.
							DAUS. NO.	MILK LB.	AV. FAT LB.			
AYRSHIRE												
UNDER 275----	2	2	2	5810	3.7	217	1	6535	234	2	6971	251
275 - 324----	1	1	3	8357	4.0	335	1	7867	301	1	8846	352
325 - 374----	3	36	63	7074	3.9	280	10	8682	341	3	8732	337
375 - 424----	7	33	59	9167	4.3	393	3	9864	401	5	9171	382
425 - 474----	2	4	5	10389	4.2	431	2	9855	431	2	10985	463
NO REPORT----	3	3	4	13598	4.4	553				1	11216	471
GUERNSEY												
UNDER 275----	3	4	4	6648	4.6	306	1	5750	266	2	6889	338
275 - 324----	18	93	211	6929	4.7	323	2	6739	311	16	7210	330
325 - 374----	94	1562	3574	7285	4.8	347	13	7714	356	89	7808	365
375 - 424----	184	3010	6237	7786	4.8	371	13	8533	396	176	8574	403
425 - 474----	45	439	691	8430	4.9	411	8	9375	439	43	9334	442
475 - 524----	5	16	36	9105	4.5	409	1	11492	490	5	10796	476
NO REPORT----	50	157	331	7661	4.8	368						
HOLSTEIN												
UNDER 275----	1	1	2	5060	3.3	162	1	6490	221	1	9276	313
275 - 324----	5	13	31	9164	3.6	328	1	8789	307	3	8979	338
325 - 374----	26	120	257	10059	3.6	358	3	10060	357	20	10614	379
375 - 424----	162	5322	13130	11246	3.6	398	22	11331	406	152	11439	412
425 - 474----	346	22239	39656	12216	3.6	442	58	12397	449	341	12360	450
475 - 524----	117	2412	3277	13128	3.7	485	19	13327	492	110	13046	482
525 - 574----	14	66	137	12484	3.7	458	4	14316	543	12	13225	499
575 - 624----	6	12	17	15412	3.8	570	2	15640	597	6	14132	537
625 - OVER----	3	3	4	17092	3.9	660	1	16108	642	2	15525	593
NO REPORT----	61	157	357	11548	3.6	409				5	11260	405
JERSEY												
UNDER 275----	1	4	6	6654	5.0	334	1	5700	262	1	5581	290
275 - 324----	4	6	7	5701	5.3	296	1	5955	300	2	7167	362
325 - 374----	23	108	228	6667	5.4	353	3	6823	356	20	7265	384
375 - 424----	63	527	1056	7479	5.3	392	6	7575	398	56	7718	408
425 - 474----	27	130	222	8362	5.3	439	3	8369	446	22	8367	450
475 - 524----	6	30	90	8380	5.5	452	2	9156	490	5	8965	473
NO REPORT----	26	62	127	7066	5.5	386						
BROWN SWISS												
325 - 374----	19	113	251	9168	4.1	370	5	9122	356	16	9531	371
375 - 424----	41	508	1056	9639	4.1	395	9	10036	401	40	9973	396
425 - 474----	40	671	1175	11071	4.1	450	14	10971	446	30	11092	447
475 - 524----	11	138	225	11505	4.1	468	8	12156	494	11	11382	465
525 - 574----	1	4	17	10889	4.1	445	1	13613	542			
NO REPORT----	17	32	67	9518	4.0	380						
M. SHORTHORN												
UNDER 275----	1	4	15	6387	3.7	237	2	7004	265	1	6814	254
275 - 324----	2	2	2	8880	3.8	338	1	8210	315	1	10137	397
325 - 374----	16	30	45	9246	3.9	359	1	9104	349	16	8141	332
375 - 424----	2	3	7	9270	4.2	386	2	10550	406	2	9304	357
NO REPORT----	5	6	11	8834	4.1	366						
ALL BREEDS												
UNDER 275----	8	15	29	6208	4.2	261	1	6169	252	7	7056	291
275 - 324----	30	115	254	7316	4.5	321	2	7112	309	23	7635	338
325 - 374----	181	1969	4418	7972	4.5	352	8	8225	356	164	8301	366
375 - 424----	459	9403	21545	9158	4.4	386	15	9553	400	431	9613	406
425 - 474----	460	23483	41749	11512	3.9	439	46	11730	448	444	11760	449
475 - 524----	139	2596	3628	12650	3.8	478	17	12986	492	131	12666	481
525 - 574----	15	70	154	12377	3.7	457	4	14269	543	12	13225	499
575 - 624----	6	12	17	15412	3.8	570	2	15640	597	6	14132	537
625 - OVER----	3	3	4	17092	3.9	660	1	16108	642	2	15525	593
NO REPORT----	162	417	897	9370	4.4	391				6	11253	416

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY HERO AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE												
275 - 324----	2	5	10	7022	4.2	289	3	7849	307	2	8052	322
325 - 374----	7	24	41	7610	4.1	313	3	8633	347	5	8859	355
375 - 424----	10	46	61	9302	4.1	376	5	10029	399	9	9127	398
425 - 474----	5	10	16	10091	4.3	425	2	11038	442	4	9136	429
NO REPORT----	3	3	3	8860	4.1	364						
GUERNSEY												
275 - 324----	13	47	114	6812	4.6	314	2	6976	313	12	7205	329
325 - 374----	62	422	996	7247	4.8	346	6	7563	355	57	7695	364
375 - 424----	95	1402	2886	7768	4.7	377	13	8500	398	91	8403	397
425 - 474----	29	123	209	8285	4.9	398	3	9562	446	26	9181	426
475 - 524----	7	11	14	8970	4.6	412	1	10180	494	7	9860	449
525 - 574----	3	3	4	9688	4.7	459	1	10340	539	2	9761	467
NO REPORT----	44	94	181	7556	4.8	364				2	7881	377
HOLSTEIN												
UNDER 275----	2	2	3	10058	3.8	379	1	7670	271	2	7739	278
275 - 324----	2	2	4	8307	3.8	309	1	7730	309	2	7558	357
325 - 374----	18	84	206	11120	3.6	403	3	10219	360	15	10293	376
375 - 424----	144	6207	14616	11498	3.6	410	37	11345	408	130	11379	412
425 - 474----	210	11946	22668	11972	3.6	433	51	12317	446	205	12093	443
475 - 524----	79	802	1182	13160	3.7	480	10	13583	494	75	12717	475
525 - 574----	16	68	101	13479	3.5	476	4	14930	545	15	13741	508
575 - 624----	6	7	8	15461	3.7	559	1	16180	593	4	15315	559
NO REPORT----	72	169	330	11587	3.6	418				5	12601	482
JERSEY												
275 - 324----	4	7	15	6533	5.3	347	1	6014	308	5	6288	326
325 - 374----	12	26	52	6479	5.3	355	2	6922	350	12	7533	365
375 - 424----	38	332	774	7447	5.3	392	6	7774	401	38	7811	398
425 - 474----	29	166	341	8145	5.2	420	4	8447	442	29	8382	438
475 - 524----	12	38	71	8846	5.3	465	5	9564	500	10	8941	463
525 - 574----	2	2	2	8220	5.7	459	1	9785	526	1	7837	424
575 - 624----	1	5	9	9746	5.0	481	5	11608	583	1	9073	480
NO REPORT----	16	29	87	7340	5.2	384				1	11260	559
BROWN SWISS												
UNDER 275----	2	2	2	7990	3.8	296	1	5945	229	2	8012	311
275 - 324----	1	1	1	7390	3.7	270	1	8370	324			
325 - 374----	13	33	59	9407	4.0	376	2	8906	350	11	9729	387
375 - 424----	23	199	353	10101	4.0	406	6	10152	405	22	7552	401
425 - 474----	31	260	513	10729	4.0	431	6	11273	449	30	10618	429
475 - 524----	6	19	30	12361	4.0	493	3	12292	501	5	11834	469
525 - 574----	2	2	3	13815	4.3	569	1	13300	548	1	14056	540
575 - 624----	1	1	1	17470	4.1	718	1	16000	608			
625 - OVER----	1	1	1	11610	3.5	467	1	16650	643			
NO REPORT----	14	20	39	9634	4.1	394				1	10557	371
M. SHORTHORN												
UNDER 275----	4	6	6	6117	3.8	228	1	7010	264	4	7287	280
275 - 324----	12	32	61	7496	3.9	292	2	7692	299	12	7098	275
325 - 374----	12	49	96	8231	3.9	319	3	8743	342	12	7377	299
375 - 424----	7	9	11	8365	4.0	330	1	10140	402	7	9297	372
NO REPORT----	6	7	15	8451	4.1	345						
ALL BREEDS												
UNDER 275----	8	10	11	7570	3.8	282	1	6909	257	8	7581	287
275 - 324----	34	94	205	7138	4.4	307	2	7252	307	31	7268	309
325 - 374----	124	638	1450	8077	4.5	352	4	8202	353	110	8206	360
375 - 424----	317	8195	18701	9655	4.2	395	22	9910	403	305	9600	404
425 - 474----	304	12507	25747	11097	4.0	428	37	11558	446	294	11279	439
475 - 524----	104	670	1297	12335	3.9	475	8	12816	475	97	12076	472
525 - 574----	23	75	110	12570	3.9	482	5	13742	543	19	13028	501
575 - 624----	8	13	18	14998	3.9	569	2	15594	594	5	14066	543
625 - OVER----	1	1	1	11610	3.5	467	1	16650	643			
NO REPORT----	155	322	655	9654	4.2	393					10769	447

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
UNDER 275----	1	1	1	10130	4.6	465	1	3630	212	1	8993	366
275 - 324----	1	2	3	9228	3.8	358	2	8675	305	1	7794	278
325 - 374----	17	104	207	8718	4.0	347	5	8772	347	15	8619	340
375 - 424----	18	76	147	9467	4.1	382	4	10211	403	13	8975	383
425 - 474----	14	47	67	9184	4.3	388	3	10822	444	12	9149	401
475 - 524----	2	3	3	11293	4.4	493	2	11725	467	1	10170	409
525 - 574----	1	5	6	9183	4.5	413	4	11584	526	1	9124	366
625 - OVER----	1	1	1	9230	4.5	415	1	14620	798	1	8949	366
NO REPORT----	4	4	7	8987	4.3	388						
GUERNSEY												
275 - 324----	5	10	17	5882	5.2	304	1	6438	302	2	6358	303
325 - 374----	20	111	285	8111	4.7	377	4	7625	360	16	8270	392
375 - 424----	68	964	1935	7856	4.9	381	12	8566	401	63	8522	400
425 - 474----	36	117	238	8549	4.9	418	7	9365	446	30	8851	432
475 - 524----	12	25	67	8721	4.7	410	1	10557	493	10	9642	463
525 - 574----	1	4	21	8638	4.8	416	1	11710	557	1	11113	532
575 - 624----	1	12	45	11287	5.0	566	11	12583	579	1	11350	552
NO REPORT----	42	73	120	7439	5.0	367				2	7881	385
HOLSTEIN												
275 - 324----	2	5	5	10933	3.5	376	2	8554	308	1	9112	323
325 - 374----	21	42	78	11441	3.6	410	1	9708	357	16	10140	386
375 - 424----	59	410	943	10956	3.7	397	5	11091	402	46	11271	411
425 - 474----	179	5262	10250	12415	3.6	449	26	12471	450	176	12024	448
475 - 524----	122	1477	2335	13231	3.7	490	11	13500	495	115	12548	475
525 - 574----	37	123	252	14276	3.7	522	2	14816	543	34	13327	517
575 - 624----	6	16	34	13928	3.5	490	2	15533	588	5	15118	540
625 - OVER----	1	3	3	17307	3.7	640	3	17450	649	1	15533	577
NO REPORT----	49	110	237	11983	3.7	434				1	11652	450
JERSEY												
275 - 324----	3	4	9	7557	4.8	361	1	5827	296	3	6414	323
325 - 374----	19	110	210	6513	5.3	344	3	6897	354	17	7201	366
375 - 424----	25	99	216	7504	5.5	405	3	7825	403	24	7499	401
425 - 474----	31	182	406	7909	5.4	421	3	8562	449	26	8196	433
475 - 524----	5	25	65	6684	5.3	347	3	9165	485	5	8723	477
525 - 574----	3	5	9	8381	5.5	455	1	9952	554	1	8753	483
NO REPORT----	27	62	152	7231	5.2	373				3	8902	495
BROWN SWISS												
UNDER 275----	1	1	1	5410	4.5	244	1	5800	230			
275 - 324----	3	8	15	9463	4.4	417	1	7758	310	3	8029	360
325 - 374----	12	28	49	9669	4.2	394	2	8845	357	11	8513	369
375 - 424----	55	467	911	9663	4.1	396	6	10071	405	54	9675	403
425 - 474----	39	676	1307	10250	4.1	419	14	10861	445	36	10326	428
475 - 524----	9	38	67	11371	4.1	456	3	12468	498	9	10276	449
525 - 574----	2	11	17	10533	4.2	438	5	13017	547	2	11281	473
NO REPORT----	21	32	53	10576	4.1	428				4	11338	462
M. SHORTHORN												
UNDER 275----	3	4	6	7573	4.0	300	1	6366	239	2	8143	304
275 - 324----	19	73	115	7735	3.9	298	3	8123	307	17	7127	289
325 - 374----	13	42	74	8960	3.8	337	2	9155	348	10	7769	314
375 - 424----	7	8	15	8020	3.9	311	1	10039	390	5	7614	295
425 - 474----	1	6	9	7136	3.6	251	6	12042	456	1	8421	320
475 - 524----	1	1	1	4300	4.0	172	1	12990	484	1	7423	281
525 - 574----	1	3	5	7492	3.8	297	1	13220	536			
NO REPORT----	11	12	16	7341	3.8	281						
ALL BREEDS												
UNDER 275----	5	6	8	7652	4.2	322	1	5706	232	3	6426	325
275 - 324----	33	102	164	7834	4.2	322	2	7669	306	27	7190	302
325 - 374----	102	437	903	8892	4.3	370	3	8448	354	85	8442	364
375 - 424----	232	2024	4167	9164	4.4	389	7	7657	402	205	9329	400
425 - 474----	300	6290	12277	11035	4.1	435	18	11409	449	281	10978	440
475 - 524----	151	1569	2538	12460	3.9	475	9	13034	494	141	12023	471
525 - 574----	45	151	310	13327	3.9	504	2	14235	544	39	12940	510
575 - 624----	7	28	79	13551	3.7	501	3	15111	587	6	14487	542
625 - OVER----	2	4	4	13269	4.1	528	2	16035	724	2	12241	472
NO REPORT----	154	293	585	9310	4.4	392				10	9947	455

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE												
NO REPORT---	1	1	1	9730	4.6	450						
GUERNSEY												
275 - 324---	5	7	11	6525	4.8	366	1	6718	301	4	8831	380
325 - 374---	7	22	41	6925	4.9	337	2	7284	353	5	8656	402
375 - 424---	25	275	621	8129	4.9	398	7	8630	401	24	8500	404
425 - 474---	22	169	363	7988	4.9	366	5	9770	450	21	9035	422
475 - 524---	7	13	19	9218	5.0	458	1	10470	487	7	9783	465
575 - 624---	1	1	1	9990	4.7	474	1	12940	596	1	8891	508
NO REPORT---	14	30	52	7769	4.8	371						
HOLSTEIN												
275 - 324---	4	6	9	11176	3.9	431	1	8434	302	3	8975	335
325 - 374---	15	48	146	9894	3.6	361	2	9896	351	13	9719	347
375 - 424---	43	344	648	11570	3.7	428	7	10971	403	39	10962	407
425 - 474---	74	703	1353	11921	3.7	441	6	11985	447	72	11693	436
475 - 524---	30	162	216	12885	3.8	485	5	13233	494	24	12720	486
525 - 574---	15	44	54	13638	3.8	525	3	14200	546	13	13931	546
575 - 624---	5	6	11	15303	3.8	575	1	15808	593	4	13977	518
625 - OVER---	1	2	3	16355	4.0	649	2	16315	652	1	15702	614
NO REPORT---	41	107	229	11594	3.8	433				1	11859	439
JERSEY												
UNDER 275---	2	2	3	3945	5.1	265	1	4440	227	2	8480	494
325 - 374---	17	160	423	6792	5.2	352	3	6917	353	16	7062	357
375 - 424---	40	475	1018	7643	5.2	395	5	7709	403	38	7767	401
425 - 474---	38	345	634	8162	5.4	438	5	8518	447	37	8480	447
475 - 524---	9	37	57	8428	5.3	449	3	9330	496	8	8750	470
525 - 574---	2	19	46	7255	5.8	409	4	10058	561	2	8560	455
NO REPORT---	29	67	115	7741	5.2	465				1	8393	450
BROWN SWISS												
275 - 324---	1	1	1	7960	4.5	361	1	7620	304	1	8513	348
325 - 374---	4	10	16	8841	4.2	367	2	8102	344	3	8238	343
375 - 424---	8	19	31	10028	4.2	419	2	9598	399	6	8811	368
425 - 474---	5	15	30	9824	4.2	406	3	10954	445	5	9348	418
NO REPORT---	12	15	28	9708	4.3	411				1	8284	334
M. SHORTHORN												
UNDER 275---	1	1	1	10990	4.2	458	1	6410	262			
325 - 374---	5	26	41	8694	4.1	355	4	8979	354	5	7936	316
375 - 424---	6	19	28	9331	4.0	372	3	9836	399	6	7926	339
NO REPORT---	1	1	1	11600	3.7	427						
ALL BREEDS												
UNDER 275---	3	3	4	6293	4.8	289	1	5097	239	2	6460	494
275 - 324---	10	14	21	8529	4.4	362	1	7495	302	6	8845	359
325 - 374---	48	266	667	8150	4.5	354	3	8215	352	42	8262	353
375 - 424---	122	1132	2346	9366	4.5	407	6	9276	402	115	9084	398
425 - 474---	139	1232	2380	10195	4.4	430	7	10650	447	135	10312	436
475 - 524---	46	212	292	11455	4.3	474	4	12049	493	39	11378	479
525 - 574---	17	63	100	12887	4.1	512	3	13712	548	15	13215	533
575 - 624---	6	7	12	14417	3.9	559	1	15330	594	5	12952	516
625 - OVER---	1	2	3	16355	4.0	649	2	16315	652	1	15702	614
NO REPORT---	98	221	426	9660	4.4	413				3	9512	408

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY CONTEMPORARY DAUS. NO.	MILK LB.	FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 275----	1	1	1	6660	3.7	249	1	4720	191	1	6791	273
275 - 324----	1	1	2	6510	4.3	280	1	7435	296			
GUERNSEY												
275 - 324----	1	6	8	5898	5.2	313	5	7946	323	1	9320	399
325 - 374----	6	9	19	7435	4.8	353	1	7994	359	6	8696	388
375 - 424----	4	9	21	7644	5.0	378	2	9341	398	4	8932	385
425 - 474----	8	15	27	8000	5.3	421	2	9211	441	6	8540	425
475 - 524----	1	1	1	5900	4.9	266	1	9310	483	1	9647	474
NO REPORT----	7	12	28	7556	4.6	351						
HOLSTEIN												
UNDER 275----	1	2	2	9560	3.5	337	1	7620	272	1	9374	323
275 - 324----	3	5	11	8237	3.5	290	1	6957	319	3	8902	316
325 - 374----	11	37	76	9970	3.8	371	3	9451	349	10	9263	331
375 - 424----	42	331	767	11541	3.6	408	7	11414	405	42	11219	397
425 - 474----	42	387	663	12323	3.7	447	9	12673	449	42	11914	423
475 - 524----	15	63	77	12854	3.8	479	4	13284	489	12	12150	434
525 - 574----	2	2	2	18085	3.9	694	1	14930	561	2	13598	491
575 - 624----	5	7	8	13699	3.9	537	1	15624	584	5	12731	463
NO REPORT----	7	8	8	11258	3.5	398						
JERSEY												
275 - 324----	1	2	2	5235	5.4	282	2	6980	284			
325 - 374----	1	1	1	7420	6.1	455	1	6490	371			
375 - 424----	1	1	1	4530	6.3	286	1	7060	405			
BROWN SWISS												
325 - 374----	3	5	12	9359	4.1	373	1	8576	353	2	9241	361
375 - 424----	11	31	57	9424	4.0	376	2	9891	395	10	9033	376
425 - 474----	11	31	51	10286	4.1	414	2	11081	452	4	9729	393
475 - 524----	3	4	7	9824	4.2	407	1	12017	511	1	11903	476
575 - 624----	1	1	2	12360	4.3	527	1	14190	597	1	13549	578
NO REPORT----	7	9	13	8151	3.9	314						
M. SHORTHORN												
325 - 374----	1	1	1	9310	4.0	376	1	9420	355	1	9091	347
375 - 424----	1	1	1	8280	3.9	325	1	10040	382	1	9036	362
ALL BREEDS												
UNDER 275----	2	3	3	8110	3.6	293	1	6200	232	2	8083	298
275 - 324----	6	14	23	7059	4.2	291	2	8205	310	4	9007	337
325 - 374----	22	53	109	9049	4.2	370	2	8798	353	19	9073	353
375 - 424----	59	373	847	10708	3.8	397	6	10892	402	57	10636	392
425 - 474----	61	433	741	11389	3.9	437	7	11932	448	52	11357	421
475 - 524----	19	68	85	12010	3.9	457	3	12875	492	14	11954	440
525 - 574----	2	2	2	18085	3.9	694	1	14930	561	2	13598	491
575 - 624----	6	8	10	13476	4.0	535	1	15385	586	6	12868	482
NO REPORT----	21	29	49	8988	4.0	354						

TABLE 11.--DAUGHTER-AVERAGE OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRLS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRS NO.	HERD AVERAGE	
							DAUS. NO.	MILK LB.	FAT LB.		MILK LB.	FAT LB.
AYRSHIRE												
325 - 374----	1	1	2	9175	4.8	436	1	10055	371	1	9821	394
375 - 424----	2	2	5	8417	4.5	375	1	9982	406	2	9238	391
475 - 524----	1	2	4	10869	4.3	466	2	11873	475	1	11266	456
GUERNSEY												
275 - 324----	1	4	4	6515	4.9	321	1	6200	296	1	7325	341
375 - 424----	1	1	1	8820	4.9	434	1	9330	415	1	9047	415
425 - 474----	1	9	33	7458	4.5	334	2	10011	470	1	8805	428
NO REPORT----	5	10	14	7391	4.6	333						
HOLSTEIN												
275 - 324----	3	3	6	8091	3.6	290	1	8700	304	3	8155	375
325 - 374----	10	23	29	11630	3.4	386	2	10361	353	9	10595	383
375 - 424----	17	62	97	11616	3.5	409	3	11327	399	15	11470	406
425 - 474----	13	55	93	12925	3.6	469	3	12706	446	13	11325	429
475 - 524----	6	8	12	12895	3.5	452	1	13313	487	5	12939	465
525 - 574----	4	8	17	15190	3.6	537	2	14679	555	4	12486	445
625 - OVER----	1	1	2	12630	4.4	560	1	16445	647	1	15021	592
NO REPORT----	7	13	15	13439	3.8	514				1	11827	422
JERSEY												
425 - 474----	2	2	2	9635	5.1	483	1	8295	467	2	8617	454
475 - 524----	2	2	2	8870	5.6	480	1	8275	501	2	8197	468
NO REPORT----	4	5	12	5193	6.1	314						
BROWN SWISS												
UNDER 275----	2	3	5	7533	3.6	268	1	4795	170			
375 - 424----	1	1	1	8200	4.4	360	1	9050	394	1	8371	363
425 - 474----	1	3	3	11363	4.2	486	3	10957	455	1	9795	406
475 - 524----	4	15	31	11090	4.3	475	2	12160	505	4	10939	452
525 - 574----	1	8	22	12990	3.8	498	1	13678	548	1	11323	457
NO REPORT----	16	35	77	10787	4.2	453						
ALL BREEDS												
UNDER 275----	2	3	5	7533	3.6	268	1	4795	170			
275 - 324----	4	7	10	7697	3.9	298	1	8075	302	4	7948	367
325 - 374----	11	24	31	11406	3.5	390	2	10333	354	10	10517	384
375 - 424----	21	66	104	11015	3.7	404	2	10996	400	19	10945	402
425 - 474----	17	69	131	12124	3.9	464	3	11926	451	17	10768	431
475 - 524----	13	27	49	11564	4.1	464	1	12072	494	12	11343	460
525 - 574----	5	16	39	14750	3.6	529	2	14479	553	5	12253	447
625 - OVER----	1	1	2	12630	4.4	560	1	16445	647	1	15021	592
NO REPORT----	32	63	118	10137	4.4	430				1	11827	422

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD AVERAGE MILK LB.	FAT LB.
AYRSHIRE												
UNDER 275----	1	1	3	9537	3.5	336	1	5015	220	1	8175	328
275 - 324----	1	1	5	8700	4.6	400	1	7688	298	1	7347	302
375 - 424----	3	3	5	7657	4.2	319	1	8558	393	3	7042	305
NO REPORT----	6	9	19	8412	4.5	374						
GUERNSEY												
325 - 374----	5	7	11	7570	5.1	380	1	7318	349	4	7897	390
375 - 424----	17	69	155	7879	5.0	386	2	8948	408	15	8917	414
425 - 474----	17	71	164	8503	5.1	426	2	9561	452	16	9450	456
475 - 524----	7	19	42	8680	4.8	416	3	10491	490	7	9408	442
525 - 574----	2	2	3	9693	5.2	505	1	10523	530	2	10189	507
NO REPORT----	14	38	84	7805	4.8	374						
HOLSTEIN												
UNDER 275----	1	1	1	7880	3.2	255	1	7440	260			
325 - 374----	7	13	28	9761	3.5	340	1	9709	351	7	9756	349
375 - 424----	33	290	591	11710	3.8	437	7	11085	407	32	11269	416
425 - 474----	94	1010	2155	12303	3.7	453	8	12185	448	91	12062	443
475 - 524----	31	182	415	12260	3.8	458	4	13251	492	29	12241	455
525 - 574----	11	28	51	13594	3.8	519	2	14399	542	11	13960	521
575 - 624----	1	1	2	13065	3.8	497	1	17260	614	1	14960	534
625 - OVER----	1	1	1	11780	3.5	418	1	18580	654	1	13080	464
NO REPORT----	37	76	164	11533	3.7	422				2	10887	409
JERSEY												
325 - 374----	1	1	1	8550	5.3	450	1	7020	374	1	7477	399
375 - 424----	8	20	37	8211	5.0	416	2	7780	404	4	8126	428
425 - 474----	6	23	49	8168	5.2	422	2	8287	445	4	8102	420
475 - 524----	2	31	102	8301	5.3	434	10	9099	485	1	9152	490
NO REPORT----	5	12	16	5625	5.3	292						
BROWN SWISS												
275 - 324----	2	2	4	13840	3.8	518	1	7528	290	1	0426	355
325 - 374----	2	2	12	8831	4.4	384	1	8421	361	2	8337	346
375 - 424----	6	22	32	9178	4.1	375	3	9900	406	6	9529	402
425 - 474----	21	52	83	10238	4.2	424	2	10875	449	12	10831	441
475 - 524----	11	21	33	11113	4.2	464	2	11562	496	9	10209	436
525 - 574----	5	12	25	11279	4.3	476	1	13414	549	5	10692	426
575 - 624----	1	1	1	12650	4.0	506	1	14010	579	1	12034	464
NO REPORT----	10	16	33	9627	4.1	398				1	10867	432
M. SPORTHURN												
UNDER 275----	2	2	3	5630	3.6	205	1	6088	232	2	6802	259
275 - 324----	2	12	21	7360	4.1	303	3	7548	302	2	7049	277
325 - 374----	1	2	2	5560	5.4	187	1	10020	349	1	8753	304
NO REPORT----	3	3	3	8070	4.0	310				1	9854	335
ALL BREEDS												
UNDER 275----	4	4	7	7169	3.5	250	1	6158	236	3	7260	282
275 - 324----	5	15	30	10220	4.1	408	2	7568	296	4	7468	298
325 - 374----	16	25	54	8622	4.2	355	1	8652	353	15	8852	360
375 - 424----	67	404	820	9912	4.3	411	4	9929	406	60	10066	409
425 - 474----	138	1156	2451	11341	4.0	444	6	11493	449	123	11473	444
475 - 524----	51	253	592	11366	4.1	453	3	12345	492	46	11369	450
525 - 574----	18	42	79	12518	4.1	565	2	13695	542	18	12633	493
575 - 624----	2	2	3	12858	3.9	502	1	15635	597	2	13497	499
625 - OVER----	1	1	1	11780	3.5	418	1	18580	654	1	13080	464
NO REPORT----	75	154	319	9801	4.1	393				4	10624	396

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
275 - 324----	1	1	1	8260	4.5	368	1	7270	306	1	8807	362
325 - 374----	2	25	33	8683	4.3	373	8	8976	369	2	9388	366
375 - 424----	9	223	395	9048	4.2	376	8	9692	397	9	9417	394
425 - 474----	3	52	72	9213	4.2	385	5	11115	444	3	10038	405
525 - 574----	1	10	21	8902	4.1	365	1	14050	564	1	13004	474
NO REPORT----	16	25	66	9092	4.3	383				2	9109	400
GUERNSEY												
UNDER 275----	2	27	48	7877	5.2	464	1	5735	217	1	8393	409
325 - 374----	3	8	11	7603	5.4	408	1	7430	362			
375 - 424----	4	23	45	8965	5.0	440	2	8817	411	3	8829	402
425 - 474----	3	23	50	7993	5.2	410	1	8715	443	3	8971	456
475 - 524----	1	1	2	4200	5.6	238	1	12605	477			
NO REPORT----	36	92	172	7333	5.0	360				3	7390	363
HOLSTEIN												
275 - 324----	1	2	2	8710	3.7	320	2	7840	304			
325 - 374----	4	14	27	11391	3.7	420	2	9868	365	4	11704	416
375 - 424----	11	67	86	12145	3.7	446	4	11286	410	9	11355	426
425 - 474----	44	1487	2266	12393	3.7	456	11	12355	453	43	12275	452
475 - 524----	23	145	270	12799	3.7	478	2	13353	497	21	12741	468
525 - 574----	4	13	26	14772	3.5	519	2	15191	550	3	13632	494
575 - 624----	1	1	1	19680	3.6	703	1	15980	575	1	17069	623
625 - 0 VER----	2	2	8	17109	3.8	649	1	17883	672	2	15020	564
NO REPORT----	76	143	312	11728	3.7	432				3	12208	428
JERSEY												
275 - 324----	1	2	2	7870	4.6	356	1	6790	320	1	6998	373
325 - 374----	5	26	45	7249	5.2	377	2	6841	353	5	7150	366
375 - 424----	4	26	41	7404	5.3	369	4	7359	387	3	6986	362
425 - 474----	2	4	9	6526	5.5	361	2	8224	441	2	8025	435
475 - 524----	1	1	1	10490	5.9	616	1	10120	512	1	9200	491
NO REPORT----	24	52	92	7038	5.4	376				1	7412	385
BROWN SWISS												
325 - 374----	6	14	17	12068	4.0	496	1	8878	354	5	8882	371
375 - 424----	11	93	144	9668	4.4	419	3	9703	403	10	9901	419
425 - 474----	3	43	67	9515	4.4	414	7	10309	439	3	9686	405
475 - 524----	1	2	3	10325	5.1	526	1	10620	489	1	11118	476
NO REPORT----	24	42	62	9434	4.3	405				1	8164	317
M. SHORTHORN												
UNDER 275----	2	5	6	8609	3.6	307	2	7349	268	2	7120	280
275 - 324----	5	19	31	7598	4.0	304	2	7406	289	5	8138	306
325 - 374----	2	5	12	7680	3.8	288	1	8544	325	2	7681	300
NO REPORT----	5	13	21	7336	4.0	288						
ALL BREEDS												
UNDER 275----	4	32	54	8243	4.4	355	2	6542	243	5	7544	323
275 - 324----	8	24	36	7854	4.1	321	2	7366	297	7	8071	324
325 - 374----	22	92	145	9534	4.4	413	2	8376	356	18	8951	373
375 - 424----	39	432	711	9919	4.3	416	5	9816	403	34	9806	408
425 - 474----	55	1609	2464	11609	3.9	444	10	11811	451	54	11666	446
475 - 524----	26	149	276	12285	3.9	476	2	13074	496	23	12517	469
525 - 574----	5	23	47	13598	3.6	488	1	14962	552	4	13475	489
575 - 624----	1	1	1	19680	3.6	703	1	15980	575	1	17069	623
625 - 0 VER----	2	2	8	17109	3.8	649	1	17883	672	2	15020	564
NO REPORT----	181	367	725	9574	4.3	398				10	9259	388

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRES NO.	HERD AVERAGE		
							DAUS. NO.	MILK LB.	AV. FAT LB.		MILK LB.	FAT LB.	
AYRSHIRE													
UNDER 275----	4	14	25	7381	4.1	302	3	6626	255	3	6736	260	
275 - 324----	7	27	39	7366	4.1	302	3	7759	304	7	8303	322	
325 - 374----	16	101	170	8849	4.0	353	5	8806	351	16	9294	368	
375 - 424----	9	18	37	9178	4.3	390	2	9650	402	9	9650	395	
425 - 474----	7	14	15	9262	4.2	386	2	10766	452	6	10145	415	
GUERNSEY													
275 - 324----	4	9	17	7136	4.5	316	2	7917	321	3	8523	359	
325 - 374----	15	55	129	7156	4.9	346	3	7789	361	13	7786	366	
375 - 424----	18	249	640	7465	4.9	363	11	8659	396	17	8488	391	
425 - 474----	9	13	26	7586	4.7	357	1	10008	444	8	9152	421	
475 - 524----	1	1	1	7570	4.6	348	1	12340	501	1	12088	450	
NO REPORT----	8	20	55	7758	4.9	375							
HOLSTEIN													
325 - 374----	10	12	29	10655	3.6	380	1	9972	359	10	9574	344	
375 - 424----	45	115	205	11247	3.7	407	2	10764	399	44	10842	404	
425 - 474----	58	700	1379	12032	3.7	445	11	12069	445	57	12135	449	
475 - 524----	12	54	95	12379	3.6	445	4	13231	492	12	12979	478	
525 - 574----	5	6	12	14563	3.8	541	1	14446	531	5	14402	536	
NO REPORT----	11	15	29	11506	3.6	410				1	14884	539	
JERSEY													
275 - 324----	1	1	1	6140	6.4	392	1	6190	319				
325 - 374----	6	85	298	6965	5.3	364	9	6912	364	6	7332	384	
375 - 424----	8	51	120	7372	5.4	394	5	7561	396	8	7674	403	
425 - 474----	3	7	13	7105	5.6	397	2	8730	453	3	8728	449	
475 - 524----	1	1	2	9430	5.8	544	1	8830	483	1	8873	487	
NO REPORT----	8	17	26	6716	5.2	349				1	9352	456	
BROWN SWISS													
375 - 424----	3	3	6	10487	4.3	448	1	9357	404	3	11500	491	
425 - 474----	1	2	3	7330	4.3	311	2	10645	470	1	11620	501	
475 - 524----	1	1	1	9840	4.6	448	1	10960	478	1	10987	479	
NO REPORT----	5	12	16	10580	4.3	453				3	13954	528	
ALL BREEDS													
UNDER 275----	4	14	25	7381	4.1	302	3	6626	255	3	6736	260	
275 - 324----	12	37	57	7187	4.4	314	3	7681	311	10	8369	333	
325 - 374----	47	253	626	8453	4.3	358	4	8488	357	45	8659	364	
375 - 424----	83	436	1008	9602	4.2	396	5	9827	399	81	9927	403	
425 - 474----	78	736	1436	11020	4.0	426	8	11568	446	75	11514	444	
475 - 524----	15	57	99	11693	3.9	446	4	12727	491	15	12513	476	
525 - 574----	5	6	12	14563	3.8	541	1	14446	531	5	14402	536	
NO REPORT----	32	64	126	9227	4.4	393				5	13220	516	

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
275 - 324---	3	4	7	8961	4.2	373	1	7204	294	3	7098	297
325 - 374---	22	413	939	8221	4.2	340	15	8803	357	22	9077	367
375 - 424---	25	221	410	9393	4.2	393	8	9817	398	24	9590	390
425 - 474---	6	11	14	10698	4.2	446	2	10831	447	6	10502	423
475 - 524---	5	5	7	8324	4.4	370	1	11950	485	5	11436	457
NO REPORT---	9	11	25	8227	4.2	347						
GUERNSEY												
275 - 324---	7	8	21	7054	4.9	337	1	6555	295	5	7978	347
325 - 374---	24	56	118	7268	4.8	348	2	7851	352	20	8273	364
375 - 424---	60	1018	2400	7846	4.9	380	13	8637	399	59	8644	401
425 - 474---	24	113	313	7972	5.0	396	3	9945	443	23	9473	424
475 - 524---	5	14	33	7826	5.1	393	2	10459	493	4	9233	443
NO REPORT---	32	43	92	7188	4.9	350						
HOLSTEIN												
UNDER 275---	5	6	15	11580	4.0	480	1	6017	214	3	8031	310
275 - 324---	16	17	38	9442	3.6	336	1	7915	302	15	8647	338
325 - 374---	44	76	142	10123	3.7	370	1	9362	356	35	9943	389
375 - 424---	101	1913	4695	11171	3.7	411	15	10794	404	95	10829	406
425 - 474---	135	4522	7972	11916	3.7	443	30	11897	449	126	11942	449
475 - 524---	67	589	1002	13164	3.6	501	8	12837	496	63	12554	484
525 - 574---	26	140	229	12959	4.1	533	5	13165	549	26	12251	524
575 - 624---	9	116	157	13941	4.0	558	12	14417	586	9	13168	551
625 - OVER---	3	3	3	18057	3.6	656	1	16380	657	2	16220	595
NO REPORT---	71	84	202	10959	3.6	393				1	11074	414
JERSEY												
UNDER 275---	1	2	3	6213	5.3	333	2	5233	266	1	6579	327
275 - 324---	1	2	4	6447	5.1	331	1	6083	318	1	6598	334
325 - 374---	9	38	94	6461	5.1	327	3	6698	349	9	6901	355
375 - 424---	18	307	719	7706	5.2	395	6	7848	402	17	7968	412
425 - 474---	6	94	164	7644	5.0	375	7	8476	438	6	8274	422
475 - 524---	2	11	33	8243	5.3	434	2	9672	487	2	9107	461
NO REPORT---	35	91	240	8273	5.3	451				2	8595	447
BROWN SWISS												
275 - 324---	1	4	7	9035	4.6	410	1	7480	290	1	8944	358
325 - 374---	8	36	62	8603	4.2	356	3	8895	349	7	9438	378
375 - 424---	9	65	113	9347	4.2	391	2	9655	397	9	10383	408
425 - 474---	6	17	23	11512	4.2	472	2	10843	448	6	10830	417
475 - 524---	2	14	18	10515	4.4	461	2	11375	495	2	10637	421
525 - 574---	1	1	1	12380	4.7	576	1	11800	529			
NO REPORT---	43	112	178	10769	4.3	464				23	10322	415
ALL BREEDS												
UNDER 275---	6	8	18	10686	4.2	456	1	5886	222	4	7668	314
275 - 324---	28	35	77	8672	4.1	343	1	7418	300	25	8257	335
325 - 374---	107	619	1355	8670	4.2	354	5	8649	354	93	9046	374
375 - 424---	213	3524	8337	9056	4.2	398	13	9775	401	204	9793	403
425 - 474---	177	4757	8486	11181	4.0	435	24	11445	447	167	11379	442
475 - 524---	81	633	1093	12348	4.0	483	7	12521	495	76	12164	478
525 - 574---	27	141	230	12938	4.1	534	5	13115	548	26	12251	524
575 - 624---	9	116	157	13941	4.0	558	12	14417	586	9	13188	551
625 - OVER---	3	3	3	18057	3.6	656	1	16380	657	2	16220	595
NO REPORT---	190	341	737	9657	4.3	411				26	10218	417

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
275 - 324---	1	1	1	5060	5.0	253	1	7950	321	1	6573	277
325 - 374---	3	4	4	8383	4.1	340	1	8570	352	1	8099	341
375 - 424---	6	15	15	10167	4.2	425	2	9637	404	2	9418	390
425 - 474---	3	8	9	8265	4.0	330	2	9992	435	1	7450	319
525 - 574---	1	2	2	9305	4.4	411	2	13655	545	1	9554	398
NO REPORT---	10	12	18	7006	4.1	289				1	9429	401
GUERNSEY												
UNDER 275---	1	10	24	6706	4.7	316	1	4200	273	1	7706	336
275 - 324---	1	1	1	10050	4.7	473	1	6340	308			
325 - 374---	7	29	58	7932	5.0	387	2	8140	357	5	9546	391
375 - 424---	13	183	401	7878	4.9	385	4	8925	402	13	9143	397
425 - 474---	18	283	570	8178	5.0	403	3	9638	446	17	9060	433
475 - 524---	5	18	40	8689	4.8	412	1	10185	492	5	9669	484
525 - 574---	2	5	11	10226	4.7	479	2	13400	547	2	11642	461
NO REPORT---	68	157	351	7690	4.9	374				1	10503	510
HOLSTEIN												
UNDER 275---	1	1	1	7810	3.9	302	1	7110	258	1	12393	452
275 - 324---	3	9	18	12038	3.6	434	1	9340	316	3	11482	396
325 - 374---	21	49	95	10639	3.7	392	1	9350	347	18	9594	362
375 - 424---	31	94	161	11011	3.7	402	2	10905	400	24	11496	426
425 - 474---	90	1654	2674	12152	3.7	452	11	12148	451	82	12132	454
475 - 524---	83	2552	4079	13084	3.7	486	17	13149	496	79	12857	484
525 - 574---	54	209	351	13774	3.8	521	2	14425	545	48	13644	527
575 - 624---	21	48	75	13537	3.8	518	2	15236	592	17	14059	531
625 - OVER---	9	14	17	14290	3.8	546	1	15292	689	8	14384	529
NO REPORT---	125	210	502	10652	3.6	385				5	13313	514
JERSEY												
275 - 324---	1	1	2	6230	4.6	285	1	5455	278	1	7238	359
375 - 424---	6	75	100	7334	5.3	382	6	7959	406	5	8424	433
425 - 474---	6	94	176	7408	5.1	374	5	8830	448	6	8823	455
475 - 524---	2	10	16	9292	5.4	498	2	9813	487	1	9216	468
575 - 624---	2	4	6	8935	5.9	525	1	11205	595	2	8949	467
NO REPORT---	27	67	149	7472	5.3	392				1	11543	521
BROWN SWISS												
325 - 374---	1	1	1	7950	4.5	357	1	7700	328	1	8753	391
375 - 424---	3	4	5	11223	4.5	501	1	9783	400	3	10262	424
425 - 474---	3	4	7	11559	4.4	500	1	10927	465	2	11157	474
475 - 524---	5	7	8	10864	4.3	461	1	11229	487	4	11234	475
NO REPORT---	17	23	30	10374	4.1	421				5	11420	462
ALL BREEDS												
UNDER 275---	2	11	25	7258	4.3	309	1	5655	266	2	10050	394
275 - 324---	6	12	22	9576	4.2	336	1	7961	309	5	9651	365
325 - 374---	32	83	158	9751	4.0	385	1	8961	349	25	9491	368
375 - 424---	59	371	682	9872	4.2	403	3	9983	402	47	10351	417
425 - 474---	120	2043	3436	11207	4.0	439	9	11521	450	108	11403	450
475 - 524---	95	2587	4143	12656	3.8	481	15	12822	495	89	12564	483
525 - 574---	57	216	364	13571	3.8	518	2	14376	545	51	13485	522
575 - 624---	23	52	81	13137	4.0	518	2	14885	592	19	13521	524
625 - OVER---	9	14	17	14290	3.8	546	1	15292	689	8	14384	529
NO REPORT---	247	469	1050	9322	4.2	381				11	12027	490

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--CRUPEO ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 275---	1	8	14	8264	4.2	343	1	6270	238	1	5537	228
275 - 324---	1	2	2	8345	4.0	335	1	7500	301	1	8873	355
325 - 374---	3	10	13	9198	4.2	377	2	8998	361	3	9234	378
375 - 424---	5	49	77	9430	4.1	386	4	9829	400	5	9998	406
425 - 474---	1	12	15	8579	4.3	367	2	10078	432	1	9620	388
475 - 524---	1	13	20	9110	4.4	399	1	11803	501	1	10857	450
NO REPORT---	8	40	77	8387	4.2	352						
GUERNSEY												
UNDER 275---	1	1	2	5665	4.6	261	1	5830	265	1	6802	312
275 - 324---	3	54	124	6749	4.9	329	2	6474	302	3	7295	339
325 - 374---	4	33	87	7491	4.8	356	2	7666	360	4	8029	368
375 - 424---	2	28	60	7854	4.9	385	7	9007	383	2	9147	399
425 - 474---	1	1	1	8810	4.1	359	1	9920	450	1	7881	377
NO REPORT---	21	47	109	7237	4.8	345						
HOLSTEIN												
UNDER 275---	5	9	22	9420	3.7	341	1	6598	261	5	8786	319
275 - 324---	6	8	8	9084	3.5	320	1	8690	315	5	9554	352
325 - 374---	16	87	200	10393	3.6	375	2	9467	351	11	9933	365
375 - 424---	46	525	952	11320	3.6	410	6	11168	402	40	11256	416
425 - 474---	48	313	582	11772	3.7	435	4	12187	445	45	11952	437
475 - 524---	17	27	37	13185	3.8	491	1	13457	497	17	13140	486
NO REPORT---	79	117	270	11062	3.7	407				2	11160	438
JERSEY												
UNDER 275---	1	1	1	3880	4.4	170	1	3500	174			
275 - 324---	6	66	122	5972	5.2	310	4	6105	304	6	6724	333
325 - 374---	7	54	111	7378	5.2	379	3	7044	356	6	7799	381
375 - 424---	4	34	93	9383	5.3	462	3	7150	391	3	7225	374
425 - 474---	2	4	7	7991	5.3	426	2	8999	447	1	9124	436
475 - 524---	2	3	3	7328	4.8	352	1	10975	518	2	8775	409
575 - 624---	1	1	1	9810	4.7	460	1	12570	611	1	8796	417
NO REPORT---	12	47	110	6483	5.2	334						
BROWN SWISS												
UNDER 275---	1	2	3	2340	4.9	115	2	5325	228			
NO REPORT---	3	4	5	8072	4.2	338						
ALL BREEDS												
UNDER 275---	9	21	42	7472	4.1	288	1	5991	245	7	8039	305
275 - 324---	16	130	256	7433	4.4	319	2	7231	307	15	7925	342
325 - 374---	30	184	411	9183	4.2	374	2	8615	354	24	8995	371
375 - 424---	57	636	1182	10896	3.8	411	6	10693	401	50	10804	412
425 - 474---	52	330	605	11508	3.8	432	4	11980	445	48	11760	435
475 - 524---	20	43	60	12395	3.9	473	1	13126	500	20	12590	477
575 - 624---	1	1	1	9810	4.7	460	1	12570	611	1	8796	417
NO REPORT---	123	255	571	9715	4.1	304				2	11160	438

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 275----	3	3	10	6419	3.8	244	1	6332	252	2	5916	228
275 - 324----	8	13	15	8861	3.9	342	2	7483	296	7	8330	330
325 - 374----	17	67	95	8810	4.0	350	3	8901	347	15	8596	338
375 - 424----	9	30	60	8878	4.0	357	2	9880	402	9	9400	374
NO REPORT----	10	21	30	7701	4.1	314						
GUERNSEY												
UNDER 275----	1	1	2	7520	4.3	318	1	6385	267	1	6927	298
275 - 324----	5	7	14	6744	4.8	320	1	7216	313	5	7007	306
325 - 374----	26	220	464	7479	4.8	356	7	7971	357	26	7744	349
375 - 424----	35	139	320	7857	4.7	368	3	8752	397	33	8334	385
425 - 474----	5	8	14	8826	4.8	421	1	9744	441	4	9209	421
475 - 524----	1	2	4	8115	5.0	401	2	11430	478	1	10356	440
NO REPORT----	21	24	50	8496	4.6	384						
HOLSTEIN												
UNDER 275----	3	3	5	7662	3.5	271	1	6183	235	3	6866	256
275 - 324----	4	6	10	7839	3.8	298	2	8527	312	4	9661	359
325 - 374----	50	179	324	10166	3.7	368	3	9749	352	46	10182	370
375 - 424----	98	2125	3845	11020	3.7	403	20	10911	400	96	11020	403
425 - 474----	62	353	741	12384	3.7	452	5	12161	447	62	12261	449
475 - 524----	17	461	829	13659	3.6	491	26	13364	497	16	13397	488
525 - 574----	4	123	162	12871	3.7	481	29	14117	538	4	14273	528
575 - 624----	5	34	36	13688	4.0	539	6	15377	589	5	14527	533
NO REPORT----	23	44	73	10375	3.6	373				2	8469	308
JERSEY												
275 - 324----	7	21	31	6628	5.0	332	2	6336	299	7	6621	313
325 - 374----	16	163	239	7219	5.0	357	8	7255	355	16	7570	369
375 - 424----	20	141	269	7385	5.1	379	5	7894	391	20	7637	376
425 - 474----	5	34	87	8057	5.2	416	3	8727	433	5	7986	401
525 - 574----	1	1	1	9020	5.7	513	1	11260	552	1	11129	570
NO REPORT----	15	21	29	6966	5.2	355				1	7052	307
BROWN SWISS												
275 - 324----	4	6	6	8426	4.3	359	2	7389	303	4	7734	327
325 - 374----	6	15	25	9107	4.0	367	2	8406	352	5	8673	363
375 - 424----	1	1	1	9540	4.1	373	1	9750	390			
NO REPORT----	9	13	21	10510	4.2	437				2	10388	363
ALL BREEDS												
UNDER 275----	7	7	17	7109	3.8	266	1	6276	247	6	6559	254
275 - 324----	28	53	76	7717	4.4	332	2	7284	303	27	7751	325
325 - 374----	115	644	1147	8893	4.2	361	5	8805	353	108	8918	360
375 - 424----	163	2436	4495	9768	4.1	390	14	10013	398	158	9938	394
425 - 474----	72	395	842	11837	3.9	447	5	11755	446	71	11788	444
475 - 524----	18	463	833	13351	3.7	486	24	13256	496	17	13218	485
525 - 574----	5	124	163	12100	4.1	487	24	13545	540	5	13644	536
575 - 624----	5	34	36	13688	4.0	539	6	15377	589	5	14527	533
NO REPORT----	78	123	203	8886	4.3	372				5	8953	330

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY, AV.			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRES NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
NO REPORT---	2	3	4	8339	4.5	375						
GUERNSEY												
275 - 324---	3	4	7	5963	4.8	284	1	6853	308	1	7477	346
325 - 374---	17	200	373	7386	4.6	340	7	7914	354	15	7664	341
375 - 424---	10	94	185	8333	4.6	375	3	8956	398	7	8605	369
475 - 524---	1	1	1	8990	5.2	467	1	9320	494			
NO REPORT---	10	17	28	7847	4.7	371						
HOLSTEIN												
UNDER 275---	3	3	3	10587	3.2	409	1	5373	213	2	7647	284
275 - 324---	4	4	5	7299	3.8	278	1	7743	292	3	8520	307
325 - 374---	15	42	47	10928	3.6	385	3	9265	352	12	9354	351
375 - 424---	23	502	317	11104	3.7	407	19	10803	391	19	10447	381
425 - 474---	16	118	211	12585	3.5	439	6	12536	443	12	11962	422
475 - 524---	10	12	16	14864	3.5	504	1	14269	505	5	14572	507
NO REPORT---	15	16	22	10857	3.5	385						
JERSEY												
325 - 374---	3	21	32	7283	5.2	378	3	7274	339	2	7187	361
375 - 424---	2	4	5	6750	4.9	325	2	7696	388	2	7840	403
425 - 474---	1	2	2	8030	5.0	399	2	10845	473	1	8906	411
475 - 524---	1	7	7	8249	5.3	437	7	9677	499	1	8159	429
NO REPORT---	12	27	50	6531	5.2	339				2	8459	364
BROWN SWISS												
325 - 374---	3	49	88	12614	4.1	515	4	9261	365	3	9789	390
375 - 424---	6	90	242	11221	3.8	428	5	10321	403	6	10571	413
425 - 474---	1	3	3	7907	3.7	312	2	10525	428	1	11020	402
NO REPORT---	2	15	47	10931	4.1	438						
ALL BREEDS												
UNDER 275---	4	4	4	14190	3.4	557	1	4870	203	3	8026	342
275 - 324---	7	8	12	6726	4.3	281	1	7361	299	4	8260	317
325 - 374---	38	312	540	9189	4.2	375	5	8503	353	32	8467	351
375 - 424---	41	690	1249	10233	4.0	398	12	10130	394	34	9936	385
425 - 474---	18	123	216	12072	3.6	430	5	12331	444	14	11676	420
475 - 524---	12	20	24	13823	3.8	496	2	13474	503	0	13503	494
NO REPORT---	41	78	151	8737	4.4	370				2	8459	364

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
							DAUS. NO.	MILK LB.	AV. FAT LB.			
AYRSHIRE												
UNDER 275----	1	2	2	8285	4.1	338	2	6915	259	1	7401	291
275 - 324----	1	2	6	9404	3.8	353	2	7957	306	1	8671	338
325 - 374----	2	4	10	8018	4.0	319	2	8497	334	1	6453	315
375 - 424----	3	5	10	8950	3.9	353	2	9523	380	1	9941	385
425 - 474----	1	1	3	9673	3.9	382	1	12490	464			
NO REPORT----	3	3	3	7293	3.8	279						
GUERNSEY												
UNDER 275----	3	9	26	5751	4.7	268	2	5875	253	3	6372	267
275 - 324----	9	34	61	6094	4.9	295	2	7791	313	9	7799	315
325 - 374----	10	51	98	7025	4.7	325	4	9032	357	10	8393	338
375 - 424----	13	78	130	7518	4.8	356	5	9691	397	12	8859	357
425 - 474----	4	4	6	7195	4.7	336	1	10869	444	4	9474	393
NO REPORT----	3	4	6	7241	4.9	354						
HOLSTEIN												
UNDER 275----	5	10	10	7643	3.8	287	2	7174	263	5	8916	327
275 - 324----	10	31	56	8267	3.7	303	2	8359	304	9	7663	280
325 - 374----	28	246	480	10219	3.7	375	8	9455	355	26	9406	358
375 - 424----	41	388	604	11146	3.7	407	9	10517	397	39	10328	396
425 - 474----	35	72	105	12965	3.7	474	2	12094	453	32	11380	438
475 - 524----	23	72	116	13828	3.6	497	3	13141	492	19	12744	469
525 - 574----	9	15	22	16010	3.7	595	2	15164	554	9	13497	488
575 - 624----	2	2	2	14270	3.5	495	1	14625	598	2	12939	482
NO REPORT----	21	22	48	11067	3.6	400						
JERSEY												
UNDER 275----	3	14	25	5764	4.9	283	1	5238	250	3	7906	344
275 - 324----	1	16	24	7280	5.1	370	1	5790	300			
325 - 374----	8	56	99	7302	5.0	361	2	7136	345	8	7826	378
375 - 424----	19	190	327	7679	5.0	385	5	8166	403	19	8134	398
425 - 474----	8	51	74	8000	5.1	408	4	9025	445	7	8613	418
NO REPORT----	19	31	54	6849	5.0	342				2	8856	381
BROWN SWISS												
325 - 374----	1	1	1	8770	3.8	333	1	8150	325			
375 - 424----	2	2	3	9815	4.0	367	1	10330	396	1	12982	517
425 - 474----	1	1	1	12470	3.6	453	1	11300	456	1	12982	517
475 - 524----	2	2	3	8585	5.0	407	1	11905	488			
525 - 574----	1	1	1	11300	4.0	456	1	15930	563			
NO REPORT----	19	35	51	10074	4.1	407						
ALL BREEDS												
UNDER 275----	12	35	63	6754	4.3	286	2	6344	257	12	7902	313
275 - 324----	21	83	147	7343	4.3	305	2	7974	308	19	7781	300
325 - 374----	49	358	688	8971	4.1	360	6	8925	352	45	8834	356
375 - 424----	78	663	1074	9578	4.2	390	7	9764	398	72	9536	391
425 - 474----	49	129	189	11606	4.0	449	2	11485	451	44	10803	433
475 - 524----	25	74	119	13409	3.7	490	3	13042	491	19	12744	469
525 - 574----	10	16	23	15539	3.8	582	2	15241	555	9	13497	488
575 - 624----	2	2	2	14270	3.5	495	1	14625	598	2	12939	482
NO REPORT----	65	95	162	9193	4.2	378				2	8856	381

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
ND REPORT---	8	9	11	8047	4.0	319						
GUERNSEY												
UNDER 275---	1	1	2	6315	4.5	279	1	5560	250	1	7063	314
275 - 324---	10	14	23	6428	4.6	296	1	6945	310	5	7025	319
325 - 374---	17	42	86	7447	4.5	332	2	7901	354	17	7426	330
375 - 424---	32	161	382	8155	4.6	374	5	8782	401	28	8239	383
425 - 474---	10	31	55	8847	4.6	403	3	9680	439	9	9083	422
NO REPORT---	15	21	35	7165	4.4	313						
HOLSTEIN												
UNDER 275---	1	1	1	6450	3.5	226	1	6330	240			
275 - 324---	8	10	25	8887	3.5	312	1	7398	306	6	7221	291
325 - 374---	33	62	101	9839	3.5	344	2	8959	353	23	8285	337
375 - 424---	19	27	56	11260	3.7	410	1	10058	391	19	9150	367
425 - 474---	20	43	70	12551	3.9	479	2	11364	453	18	10637	450
475 - 524---	9	23	25	14005	3.6	497	2	12974	487	9	11322	460
NO REPORT---	16	21	48	10312	3.7	376						
JERSEY												
UNDER 275---	1	2	2	5970	5.1	311	1	5560	195			
325 - 374---	8	53	158	6570	5.2	337	3	7250	358	7	6998	338
375 - 424---	38	392	860	7725	5.1	388	6	8083	403	35	7937	397
425 - 474---	13	48	64	7904	5.2	409	3	8809	441	10	7959	404
475 - 524---	1	1	1	9720	6.0	587	1	9180	502	1	7695	412
NO REPORT---	26	40	64	7591	5.0	378						
BROWN SWISS												
325 - 374---	1	4	5	8160	4.2	338	1	8570	329			
425 - 474---	3	3	3	11587	4.2	484	1	10917	437	3	8785	360
NO REPORT---	11	15	18	10238	4.1	420						
ALL BREEDS												
UNDER 275---	3	4	5	6245	4.4	272	1	5817	228	1	7063	314
275 - 324---	18	24	48	7521	4.2	303	1	7146	308	11	7132	304
325 - 374---	59	161	350	8678	4.0	339	2	8415	354	47	7783	334
375 - 424---	89	580	1298	8634	4.6	388	4	8756	400	82	8321	385
425 - 474---	46	125	192	10370	4.4	443	2	10247	446	40	9479	425
475 - 524---	10	24	26	13576	3.8	506	2	12594	488	10	10959	455
NO REPORT---	76	106	176	8511	4.4	365						

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
							DAUS. NO.	MILK LB.	FAT LB.			
AYRSHIRE												
UNDER 275----	1	2	2	6305	4.4	273	2	6860	264			
325 - 374----	1	2	6	10503	3.8	406	1	9343	357	1	8306	326
NO REPORT----	1	1	1	8120	3.7	304						
GUERNSEY												
275 - 324----	3	4	5	5760	4.4	249	1	7160	307	2	6121	277
325 - 374----	14	122	257	7327	4.8	347	6	7976	354	12	7815	344
375 - 424----	11	74	126	7614	4.8	366	5	8751	393	10	8633	382
425 - 474----	6	27	49	8397	4.7	387	3	10188	443	6	9597	405
475 - 524----	1	1	1	7450	4.4	328	1	9880	502	1	9810	437
NO REPORT----	6	6	8	6387	4.9	310						
HOLSTEIN												
UNDER 275----	1	1	3	3733	4.1	151	1	6273	225	1	6306	223
275 - 324----	8	14	29	10893	3.6	385	1	8576	304	6	10002	362
325 - 374----	18	33	54	10378	3.5	360	2	9622	350	14	9850	363
375 - 424----	54	1248	2670	10889	3.6	393	21	10944	401	50	10586	392
425 - 474----	50	804	1232	11661	3.7	427	15	12232	446	46	11505	420
475 - 524----	21	72	121	12973	3.7	469	3	13479	491	16	11929	432
525 - 574----	3	9	9	13609	3.7	500	3	13998	563	2	10166	376
575 - 624----	1	1	1	12770	4.0	513	1	17120	597	1	11064	373
NO REPORT----	11	13	22	10415	3.6	368				1	9854	350
JERSEY												
UNDER 275----	3	10	17	5019	5.0	259	2	4481	230	3	5664	286
275 - 324----	1	4	7	5576	5.5	304	3	6158	307	1	8944	424
325 - 374----	9	262	615	6367	5.1	326	11	6999	354	8	7114	361
375 - 424----	22	429	749	7723	5.2	396	11	8022	398	20	8052	404
425 - 474----	3	19	32	7719	5.3	407	4	9057	448	3	8333	421
475 - 524----	1	2	2	9400	5.4	511	2	9360	476	1	9374	471
575 - 624----	1	1	1	8920	4.3	384	1	11820	609			
NO REPORT----	13	35	84	6870	5.3	359						
BROWN SWISS												
275 - 324----	4	8	19	9201	4.1	377	2	7136	296	2	7530	303
325 - 374----	2	4	7	7651	4.2	316	2	9274	362	2	9206	370
375 - 424----	9	61	109	8885	4.2	372	4	9915	401	8	9811	390
425 - 474----	5	11	18	11127	3.9	430	2	11416	447	5	11152	444
475 - 524----	2	7	12	10429	4.1	424	2	11930	494	2	11180	451
525 - 574----	1	1	1	13650	3.8	515	1	13340	528	1	11859	462
NO REPORT----	4	4	6	9864	4.3	416						
ALL BREEDS												
UNDER 275----	5	13	22	5019	4.7	240	2	5315	236	4	5825	270
275 - 324----	16	30	60	9175	4.0	353	2	7799	303	11	8750	341
325 - 374----	44	423	939	8466	4.3	348	5	8540	353	37	8522	356
375 - 424----	96	1812	3654	9600	4.2	388	15	9927	399	88	9718	393
425 - 474----	64	861	1331	11128	3.9	423	12	11828	446	60	11126	421
475 - 524----	25	82	136	12406	3.8	462	3	13046	491	20	11620	436
525 - 574----	4	10	10	13619	3.7	504	3	13834	555	3	10730	405
575 - 624----	2	2	2	10845	4.2	449	1	14470	603	1	11064	373
NO REPORT----	35	59	121	8279	4.5	359				1	9854	350

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.	
							DAUS. NO.	MILK LB.	FAT LB.				
AYRSHIRE													
NO REPORT---	2	2	3	7738	4.2	322							
GUERNSEY													
275 - 324---	1	1	1	7740	4.4	343		1	6840	323			
325 - 374---	1	7	13	6759	5.1	341		1	7300	348			
375 - 424---	3	10	11	7699	4.8	380		2	8516	401			
425 - 474---	6	12	20	9504	4.8	452		2	9435	449	4	8764	414
NO REPORT---	26	71	129	6967	4.8	330							
HOLSTEIN													
NO REPORT---	84	283	525	10943	3.7	400							
JERSEY													
UNDER 275---	2	8	13	4705	5.1	235		1	4660	214	1	7096	351
275 - 324---	5	32	63	7332	5.2	372		1	6843	340	3	7423	372
325 - 374---	10	37	63	7417	5.2	381		2	7952	406	4	7407	382
375 - 424---	13	96	193	7610	5.4	402		2	8474	436	5	8662	399
425 - 474---	5	17	34	8790	5.2	451		1	9435	493	4	8668	432
NO REPORT---	58	431	998	6614	5.1	340							
BROWN SWISS													
NO REPORT---	4	4	6	10068	4.2	419							
ALL BREEDS													
UNDER 275---	2	8	13	4705	5.1	235		1	4660	214	1	7096	351
275 - 324---	1	1	1	7740	4.4	343		1	6840	323			
325 - 374---	6	39	76	7236	5.2	372		1	6919	342	3	7423	372
375 - 424---	13	47	74	7528	5.1	381		2	8002	405	4	7407	382
425 - 474---	19	108	213	8208	5.2	416		2	8777	440	9	8263	405
475 - 524---	5	17	34	8790	5.2	451		1	9435	493	4	8668	432
NO REPORT---	174	791	1661	8849	4.5	369							

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRLS NO.	HERO MILK LB.	AVERAGE FAT LB.
							DAUS. NO.	MILK LB.	FAT LB.			
AYRSHIRE												
UNDER 275----	1	1	1	9320	4.0	377						
275 - 324----	2	3	3	9003	3.7	330	2	7240	273	2	7979	302
NO REPORT----	2	2	5	6140	4.3	260						
GUERNSEY												
UNDER 275----	2	3	5	5305	5.1	266	1	5310	244	2	5472	259
275 - 324----	2	6	12	7053	4.3	302	2	6750	303	1	8295	317
375 - 424----	1	4	10	9478	4.8	448	3	10138	400			
425 - 474----	1	1	4	7393	5.7	421	1	9820	468	1	10529	483
NO REPORT----	20	32	85	7486	4.6	347						
HOLSTEIN												
UNOER 275----	7	13	17	9017	3.5	318	1	6344	236	4	7687	299
275 - 324----	10	12	17	9237	3.6	327	1	8294	309	5	8127	318
325 - 374----	16	34	47	10945	3.5	381	2	9545	352	13	9393	354
375 - 424----	8	12	18	11436	3.6	413	1	10244	398	6	10080	392
425 - 474----	4	4	4	12525	3.5	435	1	12330	455	4	12262	469
525 - 574----	1	1	1	13830	3.9	540	1	16130	571	1	12546	471
NO REPORT----	29	31	48	10028	3.4	336				1	12317	446
JERSEY												
UNOER 275----	2	3	4	2790	4.5	122	1	4780	212	1	5690	264
275 - 324----	3	11	14	6543	5.0	324	3	6254	301	3	7513	353
325 - 374----	9	52	84	6631	5.0	328	2	7347	358	6	7558	352
375 - 424----	8	22	33	7306	5.0	361	2	8242	392	5	8377	386
425 - 474----	2	9	12	9958	4.8	475	3	9472	440	2	9720	424
475 - 524----	2	6	17	7378	5.3	385	1	10025	501			
NO REPORT----	32	84	173	6880	5.0	334				2	9549	425
BROWN SWISS												
NO REPORT----	7	7	8	8152	4.0	318				2	8055	309
ALL BREEDS												
UNOER 275----	12	20	27	7386	4.0	282	1	5986	236	8	6920	285
275 - 324----	17	32	46	8477	3.9	324	2	7675	305	11	7946	325
325 - 374----	25	86	131	9392	4.0	362	2	8753	354	19	8814	353
375 - 424----	17	38	61	9377	4.3	391	2	9295	395	11	9306	390
425 - 474----	7	14	20	11058	4.2	444	2	11155	453	7	11288	458
475 - 524----	2	6	17	7378	5.3	385	1	10025	501			
525 - 574----	1	1	1	13830	3.9	540	1	16130	571	1	12546	471
NO REPORT----	90	156	319	8111	4.3	334				5	9505	383

TABLE 11.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIREs NO.	MILK LB.	FAT LB.
AYRSHIRE												
UNDER 275---	1	1	1	2390	3.6	86	1	4560	154			
275 - 324---	2	2	2	9695	3.9	375	1	7230	313	2	7935	341
NO REPORT---	3	5	7	8659	4.3	365						
GUERNSEY												
275 - 324---	7	12	20	6392	4.6	294	1	6915	309	6	6107	272
325 - 374---	21	31	72	7281	4.7	340	1	7497	348	18	7194	328
375 - 424---	6	18	33	7977	4.6	364	3	8339	397	1	8655	385
425 - 474---	5	8	15	8581	4.5	391	1	9787	453	3	8851	419
475 - 524---	1	1	1	7260	4.8	345	1	10740	481			
NO REPORT---	14	18	29	6678	4.7	313						
HOLSTEIN												
UNDER 275---	1	1	1	6120	3.9	238	1	5360	229	1	7281	313
275 - 324---	7	7	13	9531	3.6	339	1	7477	307	5	7327	296
325 - 374---	9	15	25	10077	3.5	348	2	8863	347	6	8053	324
375 - 424---	8	20	38	10519	3.6	375	2	11132	402	4	10366	382
425 - 474---	8	15	26	11736	3.7	429	2	12339	446	6	11554	428
475 - 524---	1	1	1	9370	4.0	372	1	13350	491			
575 - 624---	1	1	1	13620	3.8	511	1	14790	613	1	11042	439
JERSEY												
UNDER 275---	2	7	12	5475	5.4	289	3	5211	268	1	5733	294
275 - 324---	15	82	167	6166	5.1	317	2	6003	297	11	6107	301
325 - 374---	22	153	275	6424	5.2	352	4	6976	350	15	6693	331
375 - 424---	16	69	124	7295	5.2	379	3	7807	398	15	7174	361
425 - 474---	6	14	22	8119	5.0	400	2	9112	438	6	7891	393
NO REPORT---	15	45	72	6433	5.1	325						
BROWN SWISS												
NO REPORT---	5	6	14	10451	4.0	418						
ALL BREEDS												
UNDER 275---	4	9	14	4865	4.6	225	2	5091	230	2	6507	304
275 - 324---	31	103	202	7214	4.6	320	2	6621	305	24	6514	296
325 - 374---	52	199	370	7402	4.7	338	3	7513	349	39	7134	329
375 - 424---	30	107	195	8291	4.7	375	3	8800	399	20	7887	367
425 - 474---	19	37	63	9764	4.3	410	2	10648	445	15	7548	412
475 - 524---	2	2	2	8315	4.4	359	1	12045	486			
575 - 624---	1	1	1	13620	3.8	511	1	14790	613	1	11042	439
NO REPORT---	37	74	122	7249	4.7	335						

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
							DAUS. NO.	MILK LB.	AV. FAT LB.			
AYRSHIRE												
375 - 424---	1	1	1	6730	4.2	281	1	9350	376			
GUERNSEY												
275 - 324---	1	1	1	7690	4.0	311	1	8390	312			
325 - 374---	1	1	3	8220	5.0	411	1	8380	357			
375 - 424---	3	7	11	8676	4.5	377	2	8343	396	1	3984	374
425 - 474---	1	2	3	8815	4.5	388	1	10080	462			
NO REPORT---	19	33	45	7720	4.6	358				1	8077	395
HOLSTEIN												
UNOER 275---	6	7	8	5628	3.4	188	1	4962	202			
275 - 324---	1	1	1	8670	4.0	344	1	9090	308	1	9058	306
325 - 374---	6	7	9	11080	3.6	390	1	10144	367			
375 - 424---	5	14	20	11907	3.7	432	2	11074	396	3	9332	383
425 - 474---	4	6	9	14465	3.5	497	2	12468	450	3	11663	425
475 - 524---	1	1	1	12600	3.8	475	1	13280	475			
NO REPORT---	3	3	4	14297	3.6	514						
JERSEY												
275 - 324---	1	2	2	7600	4.9	376	2	6475	322			
325 - 374---	6	18	36	6554	5.3	346	2	6811	349	2	6443	357
375 - 424---	5	16	29	6678	5.4	358	2	7323	394	1	7924	409
425 - 474---	2	5	7	8349	5.3	431	1	8105	427			
NO REPORT---	14	31	73	6509	5.3	344						
BROWN SWISS												
NO REPORT---	4	7	14	9575	4.3	402						
M. SHORTHORN												
UNOER 275---	1	1	1	7050	3.5	245	1	6000	264			
275 - 324---	3	9	9	6403	3.7	234	3	6972	286	2	9489	376
325 - 374---	1	2	2	8470	3.8	318	1	9000	345	1	9538	375
ALL BREEDS												
UNOER 275---	7	8	9	5831	3.4	196	1	5110	211			
275 - 324---	6	13	13	7195	4.0	289	2	7478	300	3	9345	352
325 - 374---	14	28	50	8750	4.4	367	1	8508	357	3	7474	363
375 - 424---	14	38	61	8977	4.5	383	2	9026	394	5	7981	386
425 - 474---	7	13	19	11910	4.1	462	1	10880	445	3	11663	425
475 - 524---	1	1	1	12600	3.8	475	1	13280	475			
NO REPORT---	40	74	136	7975	4.7	369				1	8077	395

TABLE 11.--DAUGHTER-AVERAGE OF SIRE, IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--CRDUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
GUERNSEY												
275 - 324---	12	21	49	6793	4.4	298	1	6712	310	11	6435	301
325 - 374---	7	33	84	6408	4.8	309	3	7158	344	5	6287	299
375 - 424---	4	19	58	7624	4.8	366	3	8122	384	4	6462	310
NO REPORT---	5	6	13	5208	4.7	250						
HOLSTEIN												
275 - 324---	8	29	65	9590	3.5	336	3	8299	310	8	8134	307
325 - 374---	12	36	87	9284	3.5	326	3	9034	344	10	8528	331
375 - 424---	1	1	1	13020	3.4	438	1	10070	383	1	10573	382
425 - 474---	5	6	6	12076	3.8	457	1	11990	441	3	12302	435
475 - 524---	3	3	4	14003	3.7	517	1	13947	504	3	11022	371
NO REPORT---	11	11	20	11539	3.8	438						
JERSEY												
UNDER 275---	1	1	2	3180	4.7	149	1	5130	253	1	4752	244
275 - 324---	5	25	46	5468	5.3	287	1	6000	301	3	5185	250
325 - 374---	9	63	124	6149	5.2	316	4	6922	347	6	6326	318
375 - 424---	10	32	45	6481	5.3	339	3	7740	395	5	6769	343
425 - 474---	2	3	3	8005	5.1	415	1	8595	439	1	6573	349
NO REPORT---	16	43	78	6626	5.2	342						
BROWN SWISS												
NO REPORT---	5	7	18	8949	4.1	360						
ALL BREEDS												
UNDER 275---	1	1	2	3180	4.7	149	1	5130	253	1	4752	244
275 - 324---	25	75	160	7423	4.3	308	2	7077	308	22	6862	296
325 - 374---	28	132	295	7558	4.4	319	3	7886	345	21	7365	320
375 - 424---	15	52	104	7222	5.0	353	2	7997	391	10	7027	334
425 - 474---	7	9	9	10913	4.2	445	1	11020	440	4	10870	413
475 - 524---	3	3	4	14003	3.7	517	1	13947	504	3	11022	371
NO REPORT---	37	67	129	8209	4.5	361						

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
275 - 324----	1	1	2	7965	4.4	347	1	8030	312	1	9576	377
325 - 374----	3	4	8	7277	4.3	317	1	8373	340	3	8389	337
375 - 424----	4	5	6	8381	4.3	360	1	10100	404	3	9076	363
NO REPORT----	10	22	27	9695	4.2	404						
GUERNSEY												
275 - 324----	1	1	3	8180	4.0	328	1	7220	314			
325 - 374----	2	7	16	6274	4.8	299	2	6988	344	1	7456	342
375 - 424----	3	4	12	8983	5.1	450	1	8334	392	3	8574	407
425 - 474----	2	5	8	8286	4.9	406	2	8944	454			
475 - 524----	1	2	5	5951	4.5	267	1	10145	498	1	8508	378
NO REPORT----	8	12	16	7128	4.9	381						
HOLSTEIN												
275 - 324----	2	4	5	11549	3.7	423	2	8528	309	2	10137	364
325 - 374----	3	4	4	11950	4.2	498	1	8803	352	2	8636	350
375 - 424----	18	25	47	11977	3.8	447	1	10859	405	16	10809	408
425 - 474----	10	33	60	12696	3.7	474	3	11846	447	10	11042	418
475 - 524----	10	93	150	13251	3.7	491	8	13739	495	10	12085	450
525 - 574----	10	25	38	15704	3.6	560	2	15818	550	9	16234	571
NO REPORT----	9	9	11	11276	3.7	420						
JERSEY												
UNDER 275----	2	2	2	4260	5.9	251	1	3820	211			
275 - 324----	2	3	3	5335	4.8	247	1	6460	310	2	6709	310
375 - 424----	8	26	53	7104	5.2	367	2	7509	402	6	7414	387
425 - 474----	2	3	3	8058	5.2	415	2	8715	472	1	7172	386
NO REPORT----	20	34	49	7361	5.0	366						
BROWN SWISS												
275 - 324----	1	1	1	8130	3.9	313	1	7400	298	1	10769	436
325 - 374----	1	1	1	12360	3.7	458	1	8770	367	1	8589	349
375 - 424----	2	2	2	10665	4.0	423	1	9770	394			
475 - 524----	1	1	2	13965	4.4	603	1	12535	513	1	11380	493
NO REPORT----	10	12	16	8566	4.2	356				1	9385	361
M. SHURTHORN												
UNDER 275----	2	6	11	6464	4.1	258	2	5770	218	2	4949	191
NO REPORT----	1	1	1	8040	4.0	325						
ALL BREEDS												
UNDER 275----	4	8	13	5362	5.0	254	2	4795	214	2	4949	191
275 - 324----	7	10	14	8292	4.2	332	1	7518	309	6	9006	360
325 - 374----	9	16	29	9177	4.3	389	1	8253	348	7	8355	343
375 - 424----	35	62	120	10120	4.3	418	1	9728	402	28	9656	398
425 - 474----	14	41	71	11403	4.1	455	2	10984	451	11	10690	415
475 - 524----	12	96	157	12703	3.9	481	7	13339	497	12	11728	447
525 - 574----	10	25	38	15704	3.6	560	2	15818	550	9	16234	571
NO REPORT----	58	90	120	8641	4.5	381				1	9385	361

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	365-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 275----	1	1	1	13740	4.2	535						
NO REPORT----	4	4	8	8719	3.8	335	1	5640	209	1	10083	425
GUERNSEY												
325 - 374----	3	3	7	8385	4.6	387	1	7727	344	2	7617	361
375 - 424----	11	95	215	7595	4.8	357	6	9156	403	8	8562	372
425 - 474----	2	3	5	7039	4.6	320	1	10224	452	1	5799	278
525 - 574----	1	1	1	9360	5.0	465	1	12150	538	1	11630	511
NO REPORT----	6	6	13	9029	4.8	423						
HOLSTEIN												
UNDER 275----	2	2	2	7840	3.6	284	1	6590	248	2	9292	348
275 - 324----	2	2	3	11333	3.7	414	1	7755	290	2	7576	289
325 - 374----	13	25	43	11574	3.5	407	1	9722	357	8	10604	396
375 - 424----	30	73	161	11951	3.6	423	2	11287	406	24	10414	389
425 - 474----	62	389	710	12905	3.6	465	6	12420	449	51	10866	409
475 - 524----	31	69	112	13393	3.7	494	2	13609	496	28	12490	457
525 - 574----	13	28	40	14422	3.7	527	2	14957	546	16	11705	423
575 - 624----	3	3	3	16277	3.5	578	1	16360	594	2	12993	459
625 - OVER----	1	1	1	15680	4.0	623	1	17300	657			
NO REPORT----	25	26	35	10722	3.5	377				2	9102	356
JERSEY												
UNDER 275----	1	1	2	8225	4.7	383	1	5260	268	1	7074	346
275 - 324----	7	22	34	6301	5.0	314	2	6409	309	4	7440	357
325 - 374----	18	51	75	7406	5.0	370	2	7098	347	11	7285	357
375 - 424----	15	167	335	7286	5.0	366	6	7904	396	0	7343	367
425 - 474----	16	180	399	8010	5.3	421	4	8858	446	11	8438	389
475 - 524----	5	6	12	8678	5.4	464	1	9776	517			
NO REPORT----	24	58	137	7230	5.1	371				2	7309	320
BROWN SWISS												
UNDER 275----	7	9	9	5356	3.6	190	1	4167	156	2	6044	224
325 - 374----	2	2	3	11043	3.9	428	1	9593	357	1	11750	465
425 - 474----	16	23	23	11742	4.0	462	1	11685	459	14	8492	336
475 - 524----	1	1	1	7160	4.0	289	1	12330	480			
NO REPORT----	7	7	8	8004	4.0	316						
M. SHORTHORN												
NO REPORT----	2	2	2	8280	4.6	377						
ALL BREEDS												
UNDER 275----	11	13	14	6830	3.8	260	1	4841	188	6	7972	319
275 - 324----	9	24	37	7419	4.7	336	2	6708	305	6	7485	334
325 - 374----	36	81	128	9195	4.4	368	2	8237	351	22	8725	376
375 - 424----	56	335	711	9046	4.2	394	4	9962	402	40	9430	381
425 - 474----	96	595	1137	11773	4.0	454	5	11658	450	77	10035	391
475 - 524----	37	76	125	12587	3.9	484	2	13056	499	28	12490	457
525 - 574----	14	29	41	14061	3.8	522	2	14756	545	11	11698	431
575 - 624----	3	3	3	16277	3.5	578	1	16360	594	2	12993	459
625 - OVER----	1	1	1	15680	4.0	623	1	17300	657			
NO REPORT----	68	103	203	8871	4.3	370				4	8205	338

TABLE 11.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
GUERNSEY												
275 - 324----	1	4	10	4976	5.3	265	4	6823	310			
325 - 374----	3	10	32	7170	4.5	320	3	7689	342	2	8121	372
375 - 424----	3	7	23	6318	5.0	310	2	8060	388	1	8148	401
425 - 474----	1	1	1	8560	4.3	365	1	13520	470	1	13680	464
475 - 524----	3	4	12	7694	5.3	404	1	10087	490	2	8355	424
525 - 574----	1	1	4	6858	6.3	427	1	10480	539	1	9739	493
NO REPORT----	1	1	1	11080	4.4	488						
HOLSTEIN												
325 - 374----	1	1	1	11420	3.1	358	1	9980	343	1	10202	341
375 - 424----	4	4	5	11455	3.4	382	1	12405	407	3	11260	389
425 - 474----	25	349	749	12733	3.5	449	13	12811	453	20	12711	443
475 - 524----	10	30	44	13350	3.7	490	3	13924	498	6	13340	470
525 - 574----	4	6	6	12736	3.7	466	2	14060	531	2	14012	496
NO REPORT----	3	3	3	10650	3.6	379						
JERSEY												
325 - 374----	1	1	1	9230	4.6	428	1	6840	370	1	6813	376
375 - 424----	4	15	31	7978	5.5	435	2	7249	408	2	8006	437
425 - 474----	5	37	111	7741	5.7	433	5	8128	442	5	8120	435
NO REPORT----	2	4	4	7475	5.4	406						
BROWN SWISS												
275 - 324----	1	1	1	12590	4.3	536	1	7890	319			
375 - 424----	5	8	14	9907	4.3	427	2	9836	408	2	10707	427
425 - 474----	4	9	14	11947	4.1	485	2	11200	450	1	10322	410
NO REPORT----	4	4	5	10734	4.6	474						
ALL BREEDS												
275 - 324----	2	5	11	8783	4.8	401	3	7357	315			
325 - 374----	5	12	34	8432	4.2	349	2	7978	348	4	8314	365
375 - 424----	16	34	73	9139	4.5	356	2	9499	404	8	9919	412
425 - 474----	35	396	875	11811	3.9	449	10	11978	451	27	11809	441
475 - 524----	13	34	56	12045	4.0	470	3	13038	496	8	12093	458
525 - 574----	5	7	10	11561	4.2	458	1	13344	532	3	12588	495
NO REPORT----	10	12	13	10092	4.4	435						

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
325 - 374---	1	1	1	5760	3.5	200	1	8630	331	1	7358	290
NO REPORT---	1	1	1	11590	3.6	422						
GUERNSEY												
UNDER 275---	1	1	2	13545	4.8	637	1	7490	274			
275 - 324---	2	2	5	5935	5.0	295	1	6101	291	2	6762	316
325 - 374---	1	5	8	7941	4.9	391	5	7731	369	1	7568	367
375 - 424---	14	49	107	8483	4.7	392	3	8663	408	13	8496	401
425 - 474---	22	120	282	8512	4.9	411	5	9195	440	21	8776	415
475 - 524---	5	6	13	9115	4.7	428	1	11041	501	4	10528	473
525 - 574---	4	4	5	10596	4.9	520	1	11853	548	4	10260	473
575 - 624---	1	3	4	7882	4.7	367	1	12585	601	1	9134	424
625 - OVER---	1	1	1	9710	4.1	399	1	11150	784	1	8687	416
NO REPORT---	7	8	14	9335	4.8	449						
HOLSTEIN												
275 - 324---	3	4	5	11154	3.7	404	1	8207	299	3	9777	348
325 - 374---	3	3	3	11193	3.8	417	1	10440	357	2	11293	407
375 - 424---	10	39	68	10679	3.6	389	3	11553	412	10	10819	391
425 - 474---	31	259	453	12835	3.6	461	7	12416	455	27	11831	433
475 - 524---	39	582	881	13646	3.7	494	14	13863	500	37	13158	476
525 - 574---	20	245	388	13425	3.8	503	11	14565	542	19	13573	501
575 - 624---	7	8	13	14711	3.5	516	1	16002	597	7	14325	530
NO REPORT---	9	26	55	13579	3.6	485						
JERSEY												
325 - 374---	5	8	9	6280	5.2	325	1	6705	354	5	6900	358
375 - 424---	14	52	82	7429	5.4	399	3	7570	403	13	7859	410
425 - 474---	27	191	366	8392	5.4	451	6	8443	453	25	8462	447
475 - 524---	3	17	50	8848	5.3	467	4	9304	489	3	9434	506
525 - 574---	1	1	3	9183	4.6	415	1	10267	536			
NO REPORT---	7	12	21	7121	5.2	367				1	8644	440
BROWN SWISS												
375 - 424---	7	9	24	8994	4.1	374	1	9552	397	7	9868	421
425 - 474---	6	13	18	10848	4.2	448	2	10550	450	6	10378	441
475 - 524---	2	3	5	12098	4.1	486	1	11660	489	2	11064	451
525 - 574---	1	2	4	10024	4.3	425	1	12280	542			
NO REPORT---	7	7	17	10275	4.4	454						
M. SHORTHORN												
325 - 374---	2	4	6	7746	3.8	295	1	8970	339	2	8105	296
ALL BREEDS												
UNDER 275---	1	1	2	13545	4.8	637	1	7490	274			
275 - 324---	5	6	10	9067	4.2	360	1	7364	296	5	8571	335
325 - 374---	12	21	27	7848	4.4	338	2	8262	352	11	8020	350
375 - 424---	45	149	281	8767	4.6	390	3	9104	406	43	9067	405
425 - 474---	86	583	1119	10196	4.5	444	6	10214	450	79	9843	433
475 - 524---	49	608	949	12827	3.9	485	11	13206	499	46	12596	477
525 - 574---	26	252	400	12696	4.0	499	9	13895	543	23	12996	496
575 - 624---	8	11	17	13858	3.7	497	1	15575	597	8	15676	517
625 - OVER---	1	1	1	9710	4.1	399	1	11150	784	1	8687	416
NO REPORT---	31	54	108	10352	4.4	441				1	8644	440

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	AV. FAT LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE												
NO REPORT---	1	1	1	7620	3.6	292						
GUERNSEY												
575 - 624---	1	2	3	8115	4.4	349	1	16045	604	1	12660	453
NO REPORT---	1	1	1	11300	3.7	413						
HOLSTEIN												
325 - 374---	2	2	3	11015	3.5	379	1	16093	357	1	10628	363
375 - 424---	11	70	135	11387	3.4	389	6	11906	403	8	10594	363
425 - 474---	9	61	100	12841	3.4	439	7	13012	447	5	11137	395
475 - 524---	2	2	2	13085	3.6	467	1	13365	480	1	12066	441
525 - 574---	1	1	2	17875	3.8	665	1	14306	529			
575 - 624---	1	1	1	14220	3.6	514	1	18410	620			
NO REPORT---	2	2	3	13435	3.8	502						
JERSEY												
275 - 324---	1	1	1	5430	5.2	282	1	6260	290	1	6747	331
425 - 474---	1	2	5	6869	4.7	523	1	7600	426	1	7592	354
BROWN SWISS												
UNDER 275---	1	1	3	6300	4.3	270	1	6950	271	1	6431	265
525 - 574---	1	1	5	12090	3.9	474	1	12944	543			
ALL BREEDS												
UNDER 275---	1	1	3	6300	4.3	270	1	6950	271	1	6431	265
275 - 324---	1	1	1	5430	5.2	282	1	6260	290	1	6747	331
325 - 374---	2	2	3	11015	3.5	379	1	10093	357	1	10628	363
375 - 424---	11	70	135	11387	3.4	389	6	11906	403	8	10594	363
425 - 474---	10	63	105	12244	3.6	427	6	12471	445	6	10547	388
475 - 524---	2	2	2	13085	3.6	467	1	13365	480	1	12066	441
525 - 574---	2	2	7	14983	3.9	570	1	13622	536			
575 - 624---	2	3	4	11168	4.0	432	1	17228	612	1	12660	453
NO REPORT---	4	4	5	11448	3.8	427						

TABLE 11.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	FAT LB.	YEARLY HERO AVERAGE SIREs NO.	MILK LB.	FAT LB.
AYRSHIRE												
275 - 324----	1	1	1	9360	4.4	410	1	6960	298			
NO REPORT----	8	9	15	10267	4.1	421						
GUERNSEY												
325 - 374----	1	1	1	7170	5.2	376	1	7130	336			
375 - 424----	5	31	65	6308	5.0	311	2	8431	406	4	9061	431
425 - 474----	5	44	81	6612	4.8	409	4	9306	434	5	8801	420
475 - 524----	3	13	30	9243	4.7	432	3	11834	504	2	9634	429
525 - 574----	1	1	2	12130	4.4	537	1	11530	550			
575 - 624----	1	1	1	11320	4.7	529	1	13590	597			
NO REPORT----	7	12	18	8706	4.8	418						
HOLSTEIN												
325 - 374----	1	1	1	9580	3.9	362	1	9990	361	1	10442	377
375 - 424----	11	30	47	11439	3.7	421	3	11196	404	11	10824	394
425 - 474----	18	43	62	13103	3.7	472	2	12364	452	14	11968	443
475 - 524----	30	189	361	13866	3.6	493	5	13694	495	16	12577	454
525 - 574----	9	24	41	14090	3.6	499	2	14667	537	7	13239	496
575 - 624----	3	3	3	17237	3.6	622	1	16707	601	3	13821	528
NO REPORT----	19	29	43	12218	3.6	433				2	14089	462
JERSEY												
275 - 324----	2	2	3	6835	5.0	340	1	6150	312	1	13821	521
325 - 374----	9	16	34	7533	5.3	395	1	7031	352	6	9789	432
375 - 424----	6	23	54	7657	5.3	406	2	7772	397	6	7894	404
425 - 474----	3	4	8	8057	5.5	439	1	8493	446	3	9089	482
475 - 524----	1	1	1	10430	5.4	558	1	8620	504			
625 - OVER----	1	4	10	11709	4.5	526	1	15580	692	1	11085	532
NO REPORT----	5	8	16	9193	5.3	470				1	10693	519
BROWN SWISS												
275 - 324----	1	2	3	9445	3.7	344	1	7830	312			
325 - 374----	1	2	3	10640	4.5	459	2	8860	364	1	11194	421
375 - 424----	7	24	31	11020	4.2	466	3	9936	410	4	10192	414
425 - 474----	6	9	17	11045	4.2	461	1	10784	443	5	9952	414
475 - 524----	6	19	21	11292	4.4	488	2	12213	498	3	11865	479
525 - 574----	1	3	5	13398	4.0	531	3	14268	550	1	9974	402
NO REPORT----	11	25	40	11501	4.0	455						
M. SHORTHORN												
375 - 424----	1	1	1	4620	5.8	174	1	10960	423			
ALL BREEDS												
275 - 324----	4	5	7	8119	4.5	359	1	6773	308	1	13821	521
325 - 374----	12	20	39	7915	5.1	396	1	7438	352	8	10046	424
375 - 424----	30	109	198	9502	4.4	402	2	9748	405	25	9738	405
425 - 474----	32	100	168	11543	4.1	461	2	11227	447	27	10688	438
475 - 524----	40	222	413	13047	3.9	489	4	13205	496	21	12195	455
525 - 574----	11	28	48	13849	3.7	505	2	14347	539	6	12831	484
575 - 624----	4	4	4	15758	3.9	599	1	15928	600	3	13821	528
625 - OVER----	1	4	10	11709	4.5	526	1	15580	692	1	11085	532
NO REPORT----	50	83	132	10954	4.1	437				3	12957	481

TABLE 11.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY CONTEMPORARY AV.			YEARLY HERD AVERAGE		
							GAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
GUERNSEY												
375 - 424---	7	8	29	9445	4.9	457	1	8604	413	6	8949	426
425 - 474---	6	8	19	9746	5.0	492	1	9551	453	6	9908	466
475 - 524---	4	7	13	8969	5.1	455	2	10428	491	3	9581	454
NO REPORT---	10	10	22	8659	4.6	402						
HOLSTEIN												
375 - 424---	1	1	1	9110	3.6	333	1	10590	399			
425 - 474---	3	4	7	12898	5.5	445	1	12674	460	2	10906	387
475 - 524---	1	1	1	12680	4.0	504	1	13670	501			
NO REPORT---	5	5	7	14227	3.7	534						
JERSEY												
275 - 324---	1	1	1	10520	5.2	546	1	6870	311	1	7347	352
325 - 374---	3	6	7	7535	5.2	393	1	6870	342	2	7347	352
375 - 424---	1	14	43	6036	5.1	306	2	7830	379			
425 - 474---	1	1	1	7630	5.6	424	1	7600	439			
525 - 574---	2	2	3	10325	4.9	492	1	10355	549			
NO REPORT---	2	3	3	7493	4.8	358						
BROWN SWISS												
NO REPORT---	2	2	2	10760	4.3	456						
ALL BREEDS												
275 - 324---	1	1	1	10520	5.2	546	1	6870	311	1	7347	352
325 - 374---	3	6	7	7535	5.2	393	1	6870	342	2	7347	352
375 - 424---	9	23	73	9029	4.7	426	1	8738	408	6	8949	426
425 - 474---	10	13	27	10480	4.6	471	1	10295	454	8	10158	447
475 - 524---	5	8	14	9711	4.8	465	1	11076	493	3	9581	454
525 - 574---	2	2	3	10325	4.9	492	1	10355	549			
NO REPORT---	19	20	34	10223	4.4	458						

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARILS, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
CUERNSEY												
475 - 524---	4	7	11	11627	4.7	538	1	10467	501	4	9513	457
625 - OVER---	2	12	22	9921	4.9	474	4	12672	634	1	9069	448
NO REPORT---	3	7	19	9574	4.6	439						
HOLSTEIN												
375 - 424---	8	15	28	11161	3.5	386	1	11549	403	7	11471	399
425 - 474---	23	121	238	12478	3.6	445	5	12590	443	23	13190	470
475 - 524---	21	105	229	13670	3.5	470	4	14236	495	16	12943	469
525 - 574---	4	13	21	15618	3.5	551	3	15095	533	4	13734	493
575 - 624---	4	4	7	15133	3.7	541	1	16080	594	3	13389	492
625 - OVER---	3	5	7	14386	3.7	527	1	18463	664	3	14089	505
NO REPORT---	14	30	49	12860	3.6	457						
JERSEY												
325 - 374---	1	2	2	9965	5.3	530	2	7480	353	1	9690	501
375 - 424---	1	3	6	7195	5.2	375	2	8505	416	1	8442	413
425 - 474---	4	8	15	8157	5.5	443	2	8773	449	3	8375	427
475 - 524---	1	1	1	7170	4.5	320	1	9440	503	1	9690	501
NO REPORT---	3	31	94	7181	5.1	363						
BROWN SWISS												
475 - 524---	2	2	3	16243	3.8	616	1	13070	514			
525 - 574---	2	2	3	11398	3.8	424	1	13595	534			
NO REPORT---	1	1	1	14290	3.9	562						
ALL BREEDS												
325 - 374---	1	2	2	9965	5.3	530	2	7480	353	1	9690	501
375 - 424---	9	18	34	10720	3.7	385	1	11211	405	8	11092	400
425 - 474---	27	129	253	11838	3.9	445	4	12025	444	26	12634	465
475 - 524---	28	115	244	13329	3.7	490	3	13443	497	23	12205	469
525 - 574---	6	15	24	14211	3.6	509	2	14595	533	4	13734	493
575 - 624---	4	4	7	15133	3.7	541	1	16080	594	3	13389	492
625 - OVER---	5	17	29	12600	4.2	506	2	16147	652	4	12834	491
NO REPORT---	21	69	163	11647	3.9	446						

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY GAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
325 - 374---	1	2	2	10425	4.3	445	2	9780	374			
375 - 424---	1	1	1	7680	3.9	300	1	9900	390			
GUERNSEY												
325 - 374---	2	3	4	7960	5.1	396	1	7630	369			
375 - 424---	7	41	101	8000	4.9	388	5	9326	400	5	8914	384
425 - 474---	6	22	49	8171	4.7	383	3	9969	434	3	10171	446
NO REPORT---	2	2	3	8280	4.5	364						
HOLSTEIN												
325 - 374---	6	9	12	11832	3.7	429	2	9698	347	1	9211	351
375 - 424---	12	60	114	10892	3.5	381	4	10916	405	6	11361	419
425 - 474---	39	1170	2267	12153	3.7	445	28	12423	453	21	12214	449
475 - 524---	44	873	1394	13630	3.6	490	19	13605	493	14	13216	479
525 - 574---	7	10	13	14222	3.7	519	1	14953	552	1	11979	422
575 - 624---	5	6	6	15573	3.7	579	1	16220	589			
JERSEY												
325 - 374---	4	7	16	6831	5.2	357	2	6935	348			
375 - 424---	16	223	432	7305	5.2	375	9	7912	406	9	8094	411
425 - 474---	7	48	77	8498	5.5	456	6	8347	436			
475 - 524---	3	3	3	9120	5.5	496	1	9443	496			
NO REPORT---	3	12	17	7871	5.4	424						
BROWN SWISS												
425 - 474---	1	2	5	10647	4.3	461	2	11546	458	1	9919	400
525 - 574---	1	1	2	9420	3.6	341	1	14020	538			
NO REPORT---	2	2	4	10654	4.2	444						
M. SHORTHORN												
NO REPORT---	1	1	1	9930	3.9	383						
ALL BREEDS												
325 - 374---	13	21	34	9589	4.4	403	2	8536	353	1	9211	351
375 - 424---	36	325	648	8646	4.5	376	6	9267	404	22	9468	408
425 - 474---	53	1242	2396	11191	4.0	439	22	11590	449	25	11877	446
475 - 524---	47	876	1397	13542	3.7	490	18	13340	494	14	13216	479
525 - 574---	8	11	15	13622	3.7	497	1	14819	550	1	11979	422
575 - 624---	5	6	6	15573	3.7	579	1	16220	589			
NO REPORT---	8	17	25	8926	4.7	409						

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS ND.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRES ND.	MILK LB.	FAT LB.
GUEKNSEY												
NO REPORT---	2	2	2	6075	5.1	312						
HOLSTEIN												
425 - 474---	4	5	8	15399	3.4	527	1	13189	455			
475 - 524---	3	4	7	14039	3.5	489	1	14522	499			
NO REPORT---	1	1	1	8220	3.8	316						
JERSEY												
275 - 324---	1	1	1	8080	4.6	376	1	6560	301			
375 - 424---	2	2	2	6250	5.0	331	1	7955	395			
475 - 524---	2	4	6	8765	5.6	487	2	9224	501	2	9800	536
525 - 574---	2	2	2	9195	5.8	538	1	10125	558	1	10301	559
575 - 624---	2	2	2	10470	5.0	518	1	10880	580	2	9908	573
NO REPORT---	1	1	1	7440	4.8	355						
ALL BREEDS												
275 - 324---	1	1	1	8080	4.6	376	1	6560	301			
375 - 424---	2	2	2	6250	5.0	331	1	7955	395			
425 - 474---	4	5	8	15399	3.4	527	1	13189	455			
475 - 524---	5	8	13	11930	4.4	488	1	12403	500			
525 - 574---	2	2	2	9195	5.8	538	1	10125	558	1	10301	559
575 - 624---	2	2	2	10470	5.0	518	1	10880	580	2	9908	573
ND REPORT---	4	4	4	6953	4.7	324						

TABLE 11.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE												
325 - 374----	5	6	6	8909	4.0	357	1	8556	348	5	9015	368
375 - 424----	3	4	5	8185	3.9	320	1	10060	409	3	9928	399
475 - 524----	1	1	1	8810	4.6	407	1	10810	481	1	11391	488
GUERNSEY												
275 - 324----	1	1	1	8150	4.6	378	1	7000	297			
325 - 374----	7	8	9	7640	4.4	338	1	7939	359	5	7902	356
375 - 424----	20	112	270	8546	4.8	410	4	8793	405	16	9090	424
425 - 474----	52	1098	2461	8839	4.9	434	19	9505	447	51	9496	456
475 - 524----	9	59	184	9667	5.1	484	6	10291	489	9	10297	492
525 - 574----	7	12	25	9469	4.8	457	1	11428	545	7	10179	502
575 - 624----	1	3	7	8721	5.2	451	2	11196	580			
NO REPORT----	16	54	90	9594	4.9	471				2	9598	438
HOLSTEIN												
325 - 374----	2	2	3	12458	3.5	433	1	9280	350	1	9777	366
375 - 424----	6	7	16	11240	3.6	399	1	10466	394	4	11332	423
425 - 474----	45	1654	3332	12449	3.6	450	34	12410	458	39	12783	467
475 - 524----	66	2081	5683	13498	3.7	492	30	13687	502	61	13478	496
525 - 574----	30	164	280	14066	3.8	522	5	14898	545	29	14524	535
575 - 624----	3	3	4	13332	4.3	580	1	15400	591	2	15266	579
625 - OVER----	6	6	6	16270	3.7	596	1	16402	673	3	15213	632
NO REPORT----	8	22	27	12830	3.7	471				1	14519	574
JERSEY												
275 - 324----	1	1	2	4480	4.8	216	1	6080	300	1	7161	367
325 - 374----	3	18	52	7296	5.7	411	2	6503	336	5	6729	348
375 - 424----	14	122	297	8138	5.5	444	6	7761	411	13	8161	431
425 - 474----	34	770	1766	8471	5.5	463	15	8545	454	34	8771	471
475 - 524----	23	504	976	8779	5.5	482	15	9144	492	22	9266	502
525 - 574----	8	18	43	10296	5.4	554	2	10131	548	7	10537	559
575 - 624----	2	3	6	9173	5.7	520	1	10250	585	2	10846	534
NO REPORT----	14	19	31	8563	5.5	437				1	7706	425
BROWN SWISS												
375 - 424----	1	2	4	12853	3.9	497	2	10570	422	1	11610	472
425 - 474----	9	19	50	11269	4.2	469	2	11186	455	6	11548	460
475 - 524----	6	19	33	12013	4.1	497	3	12183	491	5	11908	478
525 - 574----	1	1	2	14390	4.5	646	1	13640	549			
NO REPORT----	3	4	5	9416	4.3	406						
M. SHORTHORN												
275 - 324----	1	1	3	10777	3.3	360	1	9355	322	1	9908	351
325 - 374----	3	9	9	8626	4.0	339	2	8874	349	3	9297	372
375 - 424----	1	6	16	9252	4.0	368	2	10033	391	1	10110	399
NO REPORT----	5	5	7	10929	4.1	447						
ALL BREEDS												
275 - 324----	3	3	6	7802	4.2	318	1	7478	306	2	8535	359
325 - 374----	20	43	79	8535	4.3	363	1	8152	350	17	8379	361
375 - 424----	45	253	608	8866	4.8	414	4	8853	406	36	7180	425
425 - 474----	140	3541	7589	10066	4.6	448	22	10314	453	132	10405	463
475 - 524----	105	2664	4877	12006	4.2	489	23	12287	498	96	12139	496
525 - 574----	46	195	350	12718	4.2	520	4	13518	545	43	13167	534
575 - 624----	6	9	17	11184	4.9	539	1	12983	587	4	13056	556
625 - OVER----	6	6	6	16270	3.7	596	1	16402	673	3	15213	632
NO REPORT----	46	104	160	9916	4.7	454				4	10355	469

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	505-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
375 - 424---	2	2	2	11545	4.3	408	1	11010	412			
425 - 474---	1	1	1	9640	4.4	427	1	12450	449	1	12132	465
475 - 524---	1	1	1	11400	3.9	442	1	12190	505			
GUERNSEY												
325 - 374---	1	2	4	9444	5.1	403	2	7779	372	1	9293	447
375 - 424---	18	422	925	8379	4.7	307	21	9062	411	16	9152	424
425 - 474---	33	349	694	8460	4.8	404	9	9222	446	29	9744	450
475 - 524---	7	15	54	9996	5.0	472	2	9767	493	6	9781	493
525 - 574---	2	6	16	9863	5.5	557	3	10500	539	2	10729	559
NO REPORT---	9	13	17	8540	5.2	444						
HOLSTEIN												
275 - 324---	1	1	1	15320	3.6	550	1	7700	309	1	11140	438
325 - 374---	2	2	3	8618	3.7	318	1	9823	366	1	10344	384
375 - 424---	11	23	46	11331	3.5	398	2	10425	403	8	10380	410
425 - 474---	40	1243	2290	12283	3.7	455	29	11965	451	39	11599	446
475 - 524---	34	272	394	13503	3.7	491	7	13232	497	32	12757	486
525 - 574---	9	22	33	15431	3.7	568	2	14401	546	8	13570	511
575 - 624---	5	13	14	15373	3.9	601	2	16091	592	3	15090	543
NO REPORT---	9	17	25	13907	3.5	406				2	14776	532
JERSEY												
375 - 424---	4	8	30	8024	5.3	419	1	7708	406	4	7793	409
425 - 474---	27	1370	3076	8450	5.4	455	29	8553	455	27	8627	456
475 - 524---	25	395	625	8294	5.5	435	12	9294	492	23	9539	499
525 - 574---	4	9	21	9498	5.3	505	1	9709	543	3	9644	521
NO REPORT---	9	19	41	8261	5.2	422						
BROWN SWISS												
325 - 374---	1	1	4	10025	4.4	435	1	11210	364	1	11358	480
375 - 424---	2	3	3	10185	4.5	459	1	10145	405	1	9652	422
425 - 474---	4	6	7	10070	4.2	425	1	10740	458	4	10853	459
475 - 524---	2	28	35	11899	4.5	540	12	11123	485	2	10165	442
525 - 574---	2	5	7	10575	4.2	442	2	13099	546	2	9366	405
575 - 624---	1	1	1	8170	4.4	356	1	14570	576	1	10170	425
NO REPORT---	4	5	10	12108	4.4	527				2	8143	365
M. SHORTHORN												
NO REPORT---	2	3	3	11800	3.6	419						
ALL BREEDS												
275 - 324---	1	1	1	15320	3.6	550	1	7700	309	1	11140	438
325 - 374---	4	5	11	9176	4.2	386	1	9659	367	3	10332	437
375 - 424---	37	458	1006	9487	4.4	403	11	9494	408	29	9521	418
425 - 474---	105	2969	6068	9986	4.5	437	22	10372	450	106	10234	450
475 - 524---	69	711	1109	11400	4.5	490	8	11377	497	63	11217	490
525 - 574---	17	42	77	12809	4.3	524	2	12685	545	15	11845	505
575 - 624---	6	14	15	14173	4.0	561	2	15837	589	4	13830	513
NO REPORT---	33	57	96	10541	4.5	458				4	11459	448

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY HERD AVERAGE		
							DAUS.	MILK	FAT	SIRES	MILK	FAT
							NO.	LB.	LB.	NO.	LB.	LB.
AYRSHIRE												
NO REPORT---	4	5	7	9864	3.9	390						
GUERNSEY												
325 - 374---	2	4	4	8664	4.9	420	2	8057	368			
375 - 424---	8	48	71	8293	4.9	400	5	8367	410			
425 - 474---	10	72	126	8807	4.9	426	3	9121	456			
475 - 524---	3	10	14	9299	4.9	447	1	10097	492			
525 - 574---	2	4	11	9398	5.1	472	1	12466	540			
575 - 624---	1	1	1	7070	5.7	402	1	12270	585			
NO REPORT---	46	183	285	8531	4.9	407						
HOLSTEIN												
375 - 424---	2	98	248	12784	4.1	524	8	10751	415			
425 - 474---	10	84	134	14117	3.7	524	7	12607	462			
475 - 524---	22	187	312	13281	3.7	487	7	13527	504			
525 - 574---	21	199	287	15148	3.6	543	8	15040	549			
575 - 624---	26	127	173	16102	3.6	577	4	16394	594			
625 - OVER---	4	92	108	16571	3.5	574	2	17490	632			
NO REPORT---	29	456	507	14240	3.6	517						
JERSEY												
UNDER 275---	3	4	4	6568	5.0	319	1	3547	169			
425 - 474---	2	4	4	6797	5.4	365	2	8842	464			
475 - 524---	2	2	2	9325	5.6	517	1	10210	523			
525 - 574---	1	3	5	13388	5.5	727	3	10842	558			
575 - 624---	2	10	14	11498	5.6	658	5	11389	596			
625 - OVER---	1	1	1	9430	6.1	579	1	10560	644			
NO REPORT---	21	136	202	8760	5.3	463						
BROWN SWISS												
575 - 624---	1	1	6	10272	4.4	457	1	14683	602			
NO REPORT---	11	23	36	10968	4.4	475						
ALL BREEDS												
UNDER 275---	3	4	4	6568	5.0	319	1	3547	169			
325 - 374---	2	4	4	8664	4.9	420	2	8057	368			
375 - 424---	10	146	319	9191	4.7	425	5	8844	411			
425 - 474---	22	160	264	11038	4.4	465	5	10712	450			
475 - 524---	27	199	328	12545	4.0	485	6	12900	504			
525 - 574---	24	206	303	14596	3.8	544	7	14651	549			
575 - 624---	30	139	194	15300	3.8	571	4	15865	594			
625 - OVER---	5	93	109	15143	4.0	575	2	16104	635			
NO REPORT---	111	803	1037	10272	4.6	452						

TABLE 11.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRES NO.	MILK LB.	FAT LB.
HOLSTEIN												
UNDER 275---	1	2	2	6355	3.7	235						
NO REPORT---	1	1	1	7770	3.2	247	2	7785	262			
ALL BREEDS												
UNDER 275---	1	2	2	6355	3.7	235						
NO REPORT---	1	1	1	7770	3.2	247	2	7785	262.			

TABLE 11.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
							DAUS. NO.	MILK LB.	AV. FAT LB.			
GUERNSEY												
NO REPORT---	1	1	1	6470	5.1	329						
HOLSTEIN												
325 - 374---	5	6	8	10890	3.4	379	1	11131	365	5	10603	345
ALL BREEDS												
325 - 374---	5	6	8	10890	3.4	379	1	11131	365	5	10603	345
NO REPORT---	1	1	1	6470	5.1	329						

TABLE 11.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
HOLSTEIN												
425 - 474---	1	2	8	13024	3.8	488	2	11802	460			
475 - 524---	2	8	20	13838	3.7	506	4	12749	490			
RED OANE												
NO REPORT---	1	1	2	8495	4.4	368						
ALL BREEDS												
425 - 474---	1	2	8	13024	3.8	488	2	11802	460			
475 - 524---	2	8	20	13838	3.7	506	4	12749	490			
NO REPORT---	1	1	2	8495	4.4	368						

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HLRD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	1	7050	3.6	256	1	6140	236	1	8524	319
7500 - 8499--	7	31	59	8031	4.2	334	4	8175	340	7	8447	347
8500 - 9499--	14	142	254	8405	4.2	349	9	8964	370	14	9190	382
9500 - 10499--	6	77	115	8915	4.3	379	12	9658	391	6	9523	389
10500-11499--	1	2	3	9513	4.1	391	1	10790	447			
NO REPORT---	7	29	51	6953	3.5	286						
GUERNSEY												
6500 - 7499--	4	25	45	7706	4.6	376	3	7143	342	4	8252	386
7500 - 8499--	30	694	1770	7321	4.9	358	10	8153	387	29	8176	388
8500 - 9499--	18	1266	2619	7671	4.8	368	58	8854	413	17	8762	411
9500 - 10499--	12	263	395	8352	4.8	402	17	9909	448	12	9849	446
10500-11499--	1	1	1	7700	4.7	361	1	10780	393			
11500-12499--	1	8	17	8311	4.5	373	4	11614	464	1	11464	449
12500-13499--	1	1	1	7410	5.6	412	1	12970	472	1	10399	398
13500-14499--	1	1	1	14520	4.6	664	1	13890	667	1	9374	448
NO REPORT---	15	66	156	7046	5.0	348				1	10955	456
HOLSTEIN												
6500 - 7499--	2	3	3	8950	3.6	322	1	7045	261	1	6507	254
7500 - 8499--	2	3	8	10413	3.7	382	2	8994	333	2	9657	382
9500 - 10499--	12	143	352	10956	3.7	403	3	10026	390	12	10488	411
10500-11499--	36	1534	3842	11245	3.7	418	23	11085	424	36	10874	416
11500-12499--	53	5020	8881	11857	3.7	441	24	11990	458	51	11739	452
12500-13499--	16	190	307	11921	3.9	459	10	12914	502	14	12258	476
13500-14499--	8	38	114	13117	3.9	513	2	14000	536	7	13526	527
14500-15499--	10	17	45	14498	3.7	526	2	14868	553	10	14079	541
15500-16499--	2	2	3	10900	4.3	464	1	16058	611	2	15658	597
16500- OVER	1	1	2	13395	4.2	562	1	16540	609			
NO REPORT---	19	43	114	12297	3.6	440						
JERSEY												
UNDER 6500--	4	9	22	6286	5.1	309	1	5415	294	4	7622	410
6500 - 7499--	11	207	533	6943	5.3	364	4	7067	366	11	7430	383
7500 - 8499--	28	1357	2854	7559	5.2	389	18	8000	416	27	8202	422
8500 - 9499--	8	288	513	8143	5.3	426	20	8875	454	8	8899	461
11500-12499--	1	1	1	8090	5.6	451	1	11630	502			
NO REPORT---	21	86	200	6990	5.3	371				2	10399	477
BROWN SWISS												
NO REPORT---	10	20	32	11044	4.3	477						
M. SHORTHORN												
7500 - 8499--	2	14	21	5724	4.2	231	6	8141	315	2	7957	310
8500 - 9499--	2	7	15	8092	3.9	309	2	9215	370	2	8510	335
11500-12499--	1	8	13	9238	3.7	357	1	11510	467	1	11042	418
NO REPORT---	2	8	9	7941	3.9	302				1	10213	375
ALL BREEDS												
UNDER 6500--	5	10	23	6439	4.8	298	1	5560	283	5	7802	392
6500 - 7499--	17	235	581	7359	5.0	362	3	7082	348	16	7578	376
7500 - 8499--	67	2096	4704	7447	4.9	365	13	8091	392	65	8209	395
8500 - 9499--	44	1706	3409	8134	4.6	370	30	8916	401	43	8957	406
9500 - 10499--	30	483	862	9506	4.3	398	10	9906	413	30	10039	420
10500-11499--	38	1537	3846	11106	3.8	415	22	11069	424	36	10874	416
11500-12499--	56	5037	8912	11680	3.8	439	79	11968	459	55	11721	452
12500-13499--	17	191	308	11656	4.0	457	9	12917	501	15	12134	471
13500-14499--	9	39	115	13273	4.0	530	2	13988	550	8	13007	517
14500-15499--	10	17	45	14498	3.7	526	2	14888	553	10	14079	541
15500-16499--	2	2	3	10900	4.3	464	1	16058	611	2	15658	597
16500- OVER	1	1	2	13395	4.2	562	1	16540	609			
NO REPORT---	74	252	562	8937	4.4	388				4	10491	446

TABLE 12.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
7500 - 8499--	4	50	165	9184	4.2	386	4	8029	326	4	7938	321
8500 - 9499--	16	261	594	9031	4.1	374	11	9108	378	16	9112	377
9500 - 10499--	18	326	591	9215	4.2	380	16	9880	406	18	9597	394
10500-11499--	3	11	17	9572	4.1	392	2	10908	437	3	10066	409
11500-12499--	1	1	1	10990	4.0	438	1	11710	490	1	10584	441
NO REPORT---	8	15	32	8219	4.2	341						
GUERNSEY												
6500 - 7499--	4	12	28	6980	4.7	329	1	7230	331	4	7511	348
7500 - 8499--	10	104	233	7616	4.7	358	5	7969	364	10	8394	387
8500 - 9499--	19	352	737	7720	4.7	362	13	9050	408	18	8731	384
9500 - 10499--	15	83	161	8059	4.8	381	4	9897	422	15	9358	400
10500-11499--	4	10	19	8116	4.7	374	2	10911	452	4	10504	425
11500-12499--	1	1	3	9163	5.3	484	1	11590	434			
NO REPORT---	20	26	55	7560	4.8	365						
HOLSTEIN												
8500 - 9499--	2	3	4	10495	4.2	427	2	9220	365	2	8549	341
9500 - 10499--	8	9	12	11664	3.7	435	1	10006	378	6	10962	413
10500-11499--	24	1063	2191	11255	3.7	418	36	11172	423	23	10925	414
11500-12499--	43	2253	3806	12068	3.8	452	45	11987	458	43	11834	456
12500-13499--	16	85	154	12253	3.9	480	5	12871	491	15	12480	484
13500-14499--	13	21	33	13215	3.9	504	1	13855	517	11	13159	497
14500-15499--	5	7	11	14675	3.9	572	1	14692	560	3	10865	468
NO REPORT---	21	32	48	11743	3.7	430						
JERSEY												
UNDER 6500--	2	7	7	6404	5.4	344	1	5360	246	2	7511	405
6500 - 7499--	8	67	170	7000	5.3	369	4	7013	365	8	7569	388
7500 - 8499--	17	306	684	7645	5.4	406	7	7981	413	17	7869	403
8500 - 9499--	17	180	329	8106	5.2	419	6	8865	457	17	8538	444
9500 - 10499--	2	6	12	8960	5.5	479	3	9652	541	2	9510	533
10500-11499--	1	3	12	10401	4.8	496	2	11169	552			
11500-12499--	1	3	10	11468	4.9	557	2	11753	582	1	11952	593
NO REPORT---	9	17	41	7567	5.2	392				3	11239	492
BROWN SWISS												
6500 - 7499--	2	5	12	9171	4.1	371	1	7320	296	2	8330	337
7500 - 8499--	1	1	1	6350	4.4	278	1	7620	310	1	7467	304
8500 - 9499--	3	14	19	8889	4.0	359	4	8940	365	3	9365	382
9500 - 10499--	5	14	27	10097	4.0	408	2	10002	405	5	9862	394
10500-11499--	1	5	8	8106	4.1	330	3	10507	421	1	10143	398
13500-14499--	1	1	1	10800	4.1	446	1	13710	610	1	9810	425
NO REPORT---	6	9	17	8821	4.0	354				2	12410	485
M. SPORTHORN												
8500 - 9499--	1	1	1	7970	3.6	286	1	9100	354	1	8775	328
9500 - 10499--	1	3	5	7288	3.6	264	2	10133	369	1	10336	391
16500- OVER	2	3	6	8075	3.9	319	1	17460	658	2	10606	397
NO REPORT---	1	1	1	7260	3.7	266				1	9167	344
ALL BREEDS												
UNDER 6500--	2	7	7	6404	5.4	344	1	5360	246	2	7511	405
6500 - 7499--	14	84	210	7304	5.0	358	3	7119	346	14	7661	369
7500 - 8499--	32	461	1083	7788	5.0	386	6	7972	383	32	8029	384
8500 - 9499--	58	811	1684	8355	4.6	383	9	9013	409	57	8808	392
9500 - 10499--	49	441	808	9301	4.3	394	8	9914	411	47	9735	404
10500-11499--	33	1092	2247	10600	3.9	410	27	11096	432	31	10762	415
11500-12499--	46	2258	3820	11968	3.8	454	42	11968	461	45	11809	458
12500-13499--	16	85	154	12253	3.9	480	5	12871	491	15	12480	484
13500-14499--	14	22	34	13043	3.9	499	1	15844	524	12	12880	491
14500-15499--	5	7	11	14675	3.9	572	1	14692	560	3	10865	468
16500- OVER	2	3	6	8075	3.9	319	1	17460	658	2	10606	397
NO REPORT---	65	100	194	9105	4.3	384				6	11284	465

TABLE 12.--DAUGHTER-AVERAGE OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARILS, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CDNTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
6500 - 7499--	4	40	102	7901	4.0	314	1	7159	279	4	6478	328
	3	11	22	8617	4.2	360	1	5693	219	2	8050	324
8500 - 9499--	12	210	364	8774	4.1	357	6	9111	371	12	9192	375
9500 - 10499--	24	488	729	9349	4.1	386	12	9940	400	24	9841	396
10500-11499--	8	108	246	9704	4.0	391	3	10816	432	8	10307	411
11500-12499--	4	34	59	11124	4.2	460	2	11828	460	4	11033	438
12500-13499--	1	4	25	11244	4.1	456	1	12587	519			
NO REPORT---	30	111	246	8043	4.1	330						
GUERNSEY												
UNDER 6500--	4	4	4	8208	4.9	397	1	5350	203			
6500 - 7499--	7	45	78	6282	4.5	285	2	7146	309			
7500 - 8499--	24	158	261	7649	4.7	359	3	8037	371	23	8939	400
8500 - 9499--	17	314	573	7940	4.7	376	6	8712	411	17	9005	408
9500 - 10499--	12	110	251	8471	4.7	395	2	9914	443	12	9582	430
10500-11499--	5	20	36	8369	4.9	402	1	10789	452	5	10266	425
11500-12499--	2	17	27	8176	4.5	363	3	13113	508	2	11479	429
NO REPORT---	65	249	608	7666	4.6	367						
HOLSTEIN												
UNDER 6500--	1	1	1	6000	3.8	230	1	6320	232	1	7990	294
7500 - 8499--	1	3	4	9913	3.3	324	2	7610	280	1	9352	342
8500 - 9499--	5	51	111	9590	3.7	359	1	8970	331	5	10428	386
9500 - 10499--	12	154	323	10196	3.6	369	3	10001	380	11	10392	393
10500-11499--	43	787	1286	11553	3.8	429	9	11193	422	42	11573	432
11500-12499--	81	2430	3944	11783	3.7	438	13	12065	453	80	12112	454
12500-13499--	75	1640	2663	12277	3.8	460	11	12902	481	71	12897	480
13500-14499--	18	211	398	12730	3.8	476	4	13929	514	17	13578	508
14500-15499--	4	14	30	13647	3.7	504	1	14721	566	3	13362	502
15500-16499--	1	2	5	15758	3.6	562	1	15965	604	1	14268	538
16500- OVER	4	4	7	16585	3.8	636	1	17258	658	4	15879	618
NO REPORT---	106	415	1041	11000	3.7	402				4	13723	498
JERSEY												
UNDER 6500--	2	16	23	6350	5.3	327	1	6375	317	2	6982	349
6500 - 7499--	17	81	129	7363	5.2	380	2	7080	369	16	7361	383
7500 - 8499--	43	1308	2212	7721	5.3	407	11	8059	420	43	8294	428
8500 - 9499--	31	666	1191	8288	5.2	425	8	8847	460	30	8957	462
9500 - 10499--	9	58	134	7830	5.4	422	2	9737	499	9	9468	483
10500-11499--	2	20	68	8069	5.4	426	1	10643	591	2	10789	571
11500-12499--	1	3	3	6760	5.4	364	1	12550	569			
12500-13499--	1	3	5	8995	5.0	457	1	13850	697	1	8096	421
13500-14499--	1	11	22	8440	4.9	397	1	16770	578	1	9592	404
16500- OVER	1	11	22	8440	4.9	397	1	16770	578	2	8383	375
NO REPORT---	61	337	832	7067	5.3	372						
BROWN SWISS												
UNDER 6500--	1	1	1	7110	4.4	314	1	6120	274	1	6235	266
7500 - 8499--	2	4	6	9812	4.3	417	2	8203	348	2	7576	318
8500 - 9499--	4	22	30	10483	4.1	431	3	9263	386	4	9473	394
9500 - 10499--	6	48	82	9983	4.2	415	3	10010	415	6	9169	372
10500-11499--	4	36	60	10507	4.2	443	3	10829	444	3	10561	442
11500-12499--	3	14	31	11280	4.5	500	1	11841	491	3	9639	413
12500-13499--	4	24	34	10560	4.2	450	2	12891	547	4	12111	511
13500-14499--	1	4	4	12075	4.1	497	1	14370	583	1	11451	455
NO REPORT---	13	39	58	9984	4.2	418				3	11565	489
M. SHORTHORN												
11500-12499--	1	2	3	10500	4.0	405	1	11705	454	1	8960	335
ALL BREEDS												
UNDER 6500--	8	22	29	7330	4.8	348	1	5814	244	4	7047	315
6500 - 7499--	28	166	309	7170	4.9	347	2	7108	341	26	7673	369
7500 - 8499--	73	1484	2505	7822	5.0	388	8	7952	392	71	8491	412
8500 - 9499--	69	1263	2269	8509	4.7	397	6	8942	419	66	9149	424
9500 - 10499--	63	858	1519	9187	4.3	392	6	9924	420	62	9772	412
10500-11499--	62	971	1696	10877	4.0	423	7	11071	433	60	11219	434
11500-12499--	89	2480	4037	11722	3.8	441	12	12043	454	86	11943	450
12500-13499--	83	1688	2752	12016	3.8	456	10	12899	466	77	12619	480
13500-14499--	20	218	407	12510	3.8	476	4	13947	527	19	13178	501
14500-15499--	4	14	30	13647	3.7	504	1	14721	566	3	13562	502
15500-16499--	1	2	5	15758	3.6	562	1	15965	604	1	14268	538
16500- OVER	5	15	29	14956	4.0	588	1	17160	642	5	14621	575
NO REPORT---	275	1151	2785	8969	4.4	380				4	11817	468

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	1	5810	4.6	269	1	5840	247	1	5842	250
6500 - 7499-	4	26	61	8574	4.1	351	4	7977	328	3	8207	338
7500 - 8499-	10	162	345	8670	4.3	368	12	9111	380	10	9254	386
8500 - 9499-	21	753	1398	9166	4.2	383	30	9825	403	21	9777	402
9500 - 10499-	3	6	9	9067	4.1	373	2	11134	445	3	10163	409
10500-11499-	3	5	5	13950	4.1	574	1	12950	532	3	11892	498
12500-13499-	1	1	1	9060	4.4	395	1	14280	500			
13500-14499-	12	23	39	8746	3.9	371						
NO REPORT---												
GUERNSEY												
UNDER 6500--	3	5	11	6226	4.9	299	1	5963	289	2	5889	284
6500 - 7499-	7	8	18	6085	5.1	306	1	7192	338	4	7973	368
7500 - 8499-	11	34	105	7190	4.9	348	2	7967	369	11	7709	356
8500 - 9499-	35	1299	2923	8342	4.8	395	31	9012	417	33	9068	419
9500 - 10499-	12	278	507	8664	4.9	425	21	9864	450	12	9888	452
10500-11499-	7	12	28	8416	4.7	392	2	11030	450	7	10736	451
11500-12499-	15	56	123	8049	4.8	385	3	12040	472	15	11540	461
12500-13499-	4	9	28	9734	4.8	461	2	13022	516	4	12093	488
13500-14499-	2	4	7	10249	5.1	517	2	13964	536	2	12896	501
14500-15499-	2	2	2	11305	4.8	534	1	14790	572	2	14497	563
NO REPORT---	19	25	46	8028	4.8	382						
HOLSTEIN												
UNDER 6500--	1	2	2	7120	4.2	298	2	6350	278	1	9963	405
6500 - 7499-	1	1	2	7280	3.6	264	1	7020	280	1	7767	300
7500 - 8499-	1	1	2	5530	4.0	220	1	8110	298	1	8497	313
8500 - 9499-	6	7	15	9593	3.9	366	1	9260	353	6	9875	383
9500 - 10499-	14	62	109	11765	3.8	443	4	10123	397	13	10369	406
10500-11499-	40	921	2108	11521	3.8	436	19	11138	426	38	11163	429
11500-12499-	97	5669	10798	11862	3.8	447	54	12010	456	94	12180	463
12500-13499-	64	726	1145	12502	3.8	468	11	12986	489	63	13141	497
13500-14499-	37	231	347	13810	3.7	519	6	13904	526	37	13901	526
14500-15499-	34	172	265	14435	3.9	550	4	14935	568	32	14397	550
15500-16499-	8	8	13	16445	3.8	637	1	15574	609	7	14782	566
16500- OVER	2	2	2	12100	4.1	483	1	18005	641	2	15320	589
NO REPORT---	26	48	95	10615	3.8	394				3	12586	475
JERSEY												
UNDER 6500--	9	17	32	6876	5.5	373	1	5703	286	9	6806	356
6500 - 7499-	7	30	81	7659	5.4	409	2	7038	370	7	7786	396
7500 - 8499-	29	455	1018	7589	5.4	465	6	8121	427	28	8429	440
8500 - 9499-	19	212	353	7780	5.3	410	5	8858	470	18	8703	458
9500 - 10499-	4	9	33	8777	5.4	470	1	9995	495	4	9440	479
10500-11499-	3	13	24	10778	5.6	596	4	10799	587	3	10727	564
NO REPORT---	19	29	52	7097	5.4	385				2	8824	451
BROWN SWISS												
6500 - 7499-	2	3	3	7430	4.1	306	1	7075	280	2	9301	386
7500 - 8499-	3	4	6	9572	4.4	418	1	8348	359	2	9135	384
8500 - 9499-	6	20	29	10045	4.3	430	2	8988	374	6	9697	400
9500 - 10499-	6	195	377	10544	4.3	446	18	10020	417	6	9800	408
10500-11499-	5	49	112	11237	4.2	474	3	11011	460	5	10630	444
11500-12499-	3	3	5	9828	4.6	444	1	11926	512	2	11571	499
12500-13499-	4	11	21	12973	4.5	578	3	12771	545	3	11704	506
13500-14499-	1	4	12	11372	4.3	490	1	14190	617	1	11524	517
14500-15499-	2	3	6	11945	4.5	527	1	15025	599	2	12691	546
NO REPORT---	17	33	63	11563	4.4	497				4	11556	483
M. SHORTHORN												
6500 - 7499-	1	3	3	7807	3.7	291	3	6753	260			
8500 - 9499-	1	1	1	6670	4.1	274	1	8630	327			
ALL BREDS												
UNDER 6500--	14	25	46	6678	5.2	345	1	5815	284	13	6833	340
6500 - 7499-	18	45	107	7009	4.9	343	1	7085	336	14	8055	380
7500 - 8499-	48	520	1192	7660	5.1	364	5	8087	398	45	8271	407
8500 - 9499-	77	1701	3666	8454	4.7	394	17	8999	416	73	9122	419
9500 - 10499-	57	1297	2424	9316	4.3	419	18	9939	419	56	9917	420
10500-11499-	58	1001	2281	10957	4.0	439	14	11096	441	56	10985	439
11500-12499-	115	5728	10926	11312	3.9	439	46	12012	459	111	12063	464
12500-13499-	75	751	1199	12438	3.9	478	10	12975	495	73	12973	497
13500-14499-	41	240	367	13461	3.8	515	6	13923	528	40	13792	525
14500-15499-	38	177	273	14139	3.9	548	4	14932	570	36	14308	550
15500-16499-	8	8	13	16445	3.8	637	1	15574	609	7	14782	566
16500- OVER	2	2	2	12100	4.1	483	1	18005	641	2	15320	589
NO REPORT---	93	158	295	9300	4.4	406				9	11292	473

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.	SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
8500 - 9499-	2	2	2	8935	3.9	346	1	8885	359	2	8938	366
9500 - 10499-	7	50	78	9942	4.1	401	6	10009	405	7	10162	410
10500-11499-	9	56	95	10031	4.1	412	4	10900	448	9	10689	438
11500-12499-	3	14	41	10042	4.2	424	2	11849	475	2	11563	467
NO REPORT---	7	9	24	9056	3.9	351						
GUERNSEY												
6500 - 7499-	2	3	14	7954	4.7	366	2	7307	345	2	7237	342
7500 - 8499-	3	4	17	7816	4.7	364	1	7840	365	3	7431	348
8500 - 9499-	2	21	41	7465	4.8	356	9	8876	404	2	8632	403
9500 - 10499-	7	23	48	9700	4.7	450	3	9938	449	6	9490	430
10500-11499-	4	13	34	9488	4.7	439	2	10738	500	5	10002	459
11500-12499-	2	4	10	10205	5.1	510	1	11821	521	2	10854	482
NO REPORT---	3	7	11	7605	4.8	367						
HOLSTEIN												
8500 - 9499-	1	1	2	17340	3.6	621	1	9450	297	1	14748	557
9500 - 10499-	10	21	32	11398	3.7	424	2	10263	395	10	10477	397
10500-11499-	20	33	43	12309	3.8	460	2	11166	437	17	11283	440
11500-12499-	26	135	248	12932	3.8	484	5	12001	448	23	12074	446
12500-13499-	18	102	142	12690	3.8	475	6	12979	489	17	12972	492
13500-14499-	10	25	54	13964	3.8	528	2	13821	511	8	13174	487
14500-15499-	3	4	10	15414	3.6	561	1	15029	559	5	13189	507
15500-16499-	7	20	31	14642	3.8	547	3	15900	586	6	14926	556
16500- OVER	1	1	1	15130	3.7	555	1	16540	603	1	15816	576
NO REPORT---	7	8	14	10789	3.6	398						
JERSEY												
NO REPORT---	13	21	42	7511	5.2	389				1	8938	486
BROWN SWISS												
8500 - 9499-	1	1	1	12910	4.0	511	1	8680	345	1	9756	389
NO REPORT---	1	1	2	12180	3.9	480						
ALL BREEDS												
6500 - 7499-	2	3	14	7954	4.7	366	2	7307	345	2	7237	342
7500 - 8499-	3	4	17	7816	4.7	364	1	7840	365	3	7431	348
8500 - 9499-	6	25	46	10508	4.2	422	4	8943	361	6	9941	412
9500 - 10499-	24	94	158	10478	4.1	425	3	10094	414	23	10124	409
10500-11499-	33	102	172	11346	4.0	444	2	11042	448	29	10966	441
11500-12499-	31	153	299	12477	3.9	480	4	11975	455	27	11946	451
12500-13499-	18	102	142	12690	3.8	475	6	12979	489	17	12972	492
13500-14499-	10	25	54	13964	3.8	528	2	13821	511	8	13174	487
14500-15499-	3	4	10	15414	3.6	561	1	15029	559	5	13189	507
15500-16499-	7	20	31	14642	3.8	547	3	15900	586	6	14926	556
16500- OVER	1	1	1	15130	3.7	555	1	16540	603	1	15816	576
NO REPORT---	31	46	93	8760	4.5	383				1	8938	486

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
8500 - 9499--	21	213	498	9025	4.1	369	6	9160	378	20	9370	383
9500 - 10499--	27	359	819	8901	4.1	367	8	9851	399	26	9626	393
10500-11499--	4	12	22	9774	4.1	402	1	10860	439	4	10244	414
11500-12499--	1	5	9	8859	4.1	363	2	12385	499	1	10492	424
NO REPORT---	10	40	115	9096	4.2	377				1	8905	400
GUERNSEY												
6500 - 7499--	2	2	3	6913	4.4	305	1	6855	322	1	7652	353
7500 - 8499--	14	110	343	7999	4.6	364	2	8085	381	13	8083	379
8500 - 9499--	34	754	1759	8165	4.7	385	15	9053	421	34	8997	423
9500 - 10499--	31	571	1261	9217	4.8	439	16	9956	460	30	9734	455
10500-11499--	17	119	162	9259	4.8	438	6	10855	471	16	11400	497
11500-12499--	4	5	10	9308	4.9	454	1	11787	548	4	11519	526
12500-13499--	2	3	5	12555	4.5	557	2	12985	572	2	12346	537
NO REPORT---	40	110	263	8267	4.9	403						
HOLSTEIN												
6500 - 7499--	2	8	15	9836	3.8	367	1	7157	326	2	9592	386
7500 - 8499--	5	7	9	8203	3.6	298	1	8187	295	4	9994	366
8500 - 9499--	7	14	26	9936	3.5	348	1	9240	338	6	9577	345
9500 - 10499--	13	39	111	10973	3.7	405	1	10054	370	13	10098	373
10500-11499--	36	266	718	12040	3.7	443	3	10930	411	32	11256	428
11500-12499--	47	2462	6033	12003	3.7	442	39	12065	449	46	12064	449
12500-13499--	64	3878	5839	12581	3.7	466	57	12965	486	64	12842	483
13500-14499--	58	240	401	13907	3.8	523	4	13994	526	56	14098	531
14500-15499--	25	54	111	14265	3.8	534	2	14929	554	24	14633	546
15500-16499--	11	20	36	15011	3.8	563	2	15822	578	11	14819	565
16500- OVER	7	8	20	16453	3.5	577	1	17568	631	6	16115	591
NO REPORT---	34	89	211	12240	3.6	443				3	14777	548
JERSEY												
6500 - 7499--	4	5	9	7822	5.7	442	1	7249	391	4	7351	393
7500 - 8499--	16	51	112	8317	5.3	435	2	8113	427	15	8436	439
8500 - 9499--	13	137	200	8406	5.3	445	6	9000	461	12	9170	460
9500 - 10499--	6	56	82	8313	5.0	416	4	9885	506	5	9345	480
10500-11499--	1	14	21	8210	5.7	466	7	10613	575	1	9884	488
NO REPORT---	29	57	112	8619	5.3	452				2	12879	488
BROWN SWISS												
UNDER 6500--	1	1	1	3320	4.3	143	1	3940	171	1	948	352
7500 - 8499--	2	4	6	7249	4.2	301	2	7808	322	2	7572	344
8500 - 9499--												
9500 - 10499--	1	7	10	10915	4.1	443	5	10308	438	1	9651	394
10500-11499--	4	35	59	10732	4.1	441	5	11046	468	4	11478	492
11500-12499--	5	63	114	11668	4.3	497	7	11939	508	5	11738	496
12500-13499--	5	28	49	12484	4.4	547	3	12933	568	5	12177	535
13500-14499--	3	3	5	10960	4.5	487	1	13767	600	3	12510	540
NO REPORT---	11	17	31	10311	4.1	423				1	12372	470
M. SHORTHORN												
8500 - 9499--	1	1	1	3660	4.4	172	1	8700	344	1	7772	306
ALL BREEDS												
UNDER 6500--	1	1	1	3320	4.3	143	1	3940	171	1	948	352
6500 - 7499--	9	16	28	7198	4.3	346	1	7131	349	8	7936	374
7500 - 8499--	37	172	470	8123	4.7	382	2	8096	386	34	8433	402
8500 - 9499--	77	1122	2487	8557	4.5	385	9	8979	406	74	9182	414
9500 - 10499--	78	1032	2283	9352	4.4	407	10	9935	427	75	9732	420
10500-11499--	62	446	982	10985	4.1	439	4	10907	436	57	11217	452
11500-12499--	57	2535	6166	11729	3.8	447	33	12040	462	56	11968	458
12500-13499--	71	3909	5893	12574	3.8	475	51	12963	494	71	12781	488
13500-14499--	61	243	406	13762	3.8	521	4	13983	529	59	14017	532
14500-15499--	25	54	111	14265	3.8	534	2	14929	554	24	14633	546
15500-16499--	11	20	36	15011	3.8	563	2	15822	578	11	14819	565
16500- OVER	7	8	20	16453	3.5	577	1	17568	631	6	16115	591
NO REPORT---	124	313	732	9687	4.5	425				7	13052	498

TABLE 12.--DAUGHTER-AVERAGE OF SIMES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
6500 - 7499--	1	1	1	8450	3.6	308	1	7350	293			
7500 - 8499--	2	7	14	9265	4.1	376	1	7968	315	1	7434	296
8500 - 9499--	11	48	86	9200	4.1	374	2	9147	366	11	9591	386
9500 - 10499--	34	2466	5004	9445	4.1	387	28	10075	406	34	10212	412
10500-11499--	15	342	683	10040	4.1	410	9	10974	435	12	10790	433
11500-12499--	4	11	16	11749	4.2	487	2	11769	490	4	10706	446
12500-13499--	2	7	16	10404	4.1	418	2	12814	500	1	10296	405
14500-15499--	1	26	72	9137	3.9	359	1	15460	697			
NO REPORT---	31	105	296	9485	4.0	379						
GUERNSEY												
UNDER 6500--	2	5	6	7415	4.7	349	2	5207	237	1	9529	417
6500 - 7499--	5	23	36	6899	4.8	333	3	6881	320	4	8471	389
7500 - 8499--	21	571	1184	7839	4.8	373	5	8085	366	20	8905	419
8500 - 9499--	51	2988	6240	8266	4.8	394	14	8925	413	46	9131	429
9500 - 10499--	24	754	1918	8582	4.8	408	4	9934	461	22	9747	452
10500-11499--	9	34	80	8233	4.9	398	1	10975	480	6	9164	425
11500-12499--	3	5	8	9164	4.4	406	1	11890	429	1	13113	494
12500-13499--	1	1	2	7210	5.3	384	1	13140	427	1	12230	434
NO REPORT---	125	705	1921	8101	4.8	387				5	9204	426
HOLSTEIN												
UNDER 6500--	1	3	3	4550	3.6	161	1	4000	140	1	12633	446
6500 - 7499--	3	11	18	9128	3.7	337	2	6899	253	3	10704	389
7500 - 8499--	2	3	3	11668	3.7	427	1	8065	393			
8500 - 9499--	2	6	12	12150	3.4	410	2	9368	363	2	10159	363
9500 - 10499--	17	62	124	11249	3.6	404	2	9915	380	15	10857	412
10500-11499--	29	481	1256	11257	3.6	405	2	11053	398	25	11562	419
11500-12499--	100	13489	31466	11934	3.7	434	31	12124	443	96	12320	448
12500-13499--	212	50076	89638	12546	3.7	460	124	12920	471	206	12954	472
13500-14499--	60	1630	3961	12873	3.7	480	7	13918	510	54	13554	496
14500-15499--	23	410	1031	13419	3.7	498	3	14954	557	22	14557	543
15500-16499--	12	65	163	13714	3.6	500	1	15850	577	11	14672	537
16500- OVER	1	1	1	12490	3.9	491	1	17370	621	1	10955	419
NO REPORT---	211	1848	5326	11666	3.6	419				8	12625	467
JERSEY												
UNDER 6500--	9	37	88	6781	5.1	344	2	5802	298	8	7595	383
6500 - 7499--	13	301	723	7340	5.3	392	4	7066	374	13	7625	392
7500 - 8499--	46	1840	3860	7908	5.2	408	12	8026	415	42	8346	425
8500 - 9499--	17	239	551	7967	5.3	419	3	8919	463	15	8972	475
9500 - 10499--	3	28	50	8618	5.4	460	1	9887	488	3	9240	484
10500-11499--	1	1	1	10020	5.4	445	1	11400	446	1	11325	458
NO REPORT---	51	136	355	7523	4.4	400				7	9591	431
OROWN SWISS												
7500 - 8499--	1	12	28	10815	4.1	441	1	7625	303	1	13587	557
8500 - 9499--	1	2	2	8800	3.8	332	2	8905	351	1	8480	348
9500 - 10499--	9	96	160	9876	4.2	411	3	10003	421	8	10519	431
10500-11499--	26	992	1699	10854	4.2	450	16	10960	453	26	11153	456
11500-12499--	14	70	125	11572	4.1	477	3	11896	490	13	11500	467
12500-13499--	7	15	26	11578	4.3	496	1	12798	530	6	12129	497
14500-15499--	1	1	1	15390	3.8	584	1	15270	640	1	13603	567
NO REPORT---	23	53	116	10193	4.2	427				3	11665	466
M. SHORTHORN												
UNDER 6500--	1	3	4	8057	4.1	326	1	6440	256	1	6649	253
6500 - 7499--	1	7	7	7003	3.8	266	3	6547	255	1	6464	250
10500-11499--	1	2	2	7260	4.0	286	1	10870	308	1	11129	380
NO REPORT---	1	1	1	9620	3.9	377						
ALL BREEDS												
UNDER 6500--	13	48	101	6805	4.8	330	2	5621	273	11	8143	380
6500 - 7499--	23	343	785	7511	4.9	363	3	6994	338	21	8171	384
7500 - 8499--	72	2433	5089	8070	5.0	398	9	8037	402	64	8588	423
8500 - 9499--	82	3283	6891	8430	4.8	396	9	8964	415	75	9185	429
9500 - 10499--	87	3406	7256	9575	4.3	401	13	9991	420	82	10200	427
10500-11499--	81	1852	3721	10505	4.0	419	8	11002	432	71	11070	435
11500-12499--	121	13575	31615	11818	3.7	440	26	12080	450	114	12177	451
12500-13499--	222	50099	89882	12472	3.7	460	118	12916	473	214	12916	473
13500-14499--	60	1630	3961	12873	3.7	480	7	13918	510	54	13554	496
14500-15499--	25	437	1104	13327	3.7	496	3	14987	566	23	14515	544
15500-16499--	12	65	163	13714	3.6	500	1	15850	577	11	14672	537
16500- OVER	1	1	1	12490	3.9	491	1	17370	621	1	10955	419
NO REPORT---	442	2848	8015	9946	4.2	405				23	10833	447

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
7500 - 8499--	1	2	3	8445	4.3	363	2	8298	375	1	9740	422
9500 -10499--	1	2	4	9212	4.0	367	1	9690	400	1	9476	370
NO REPORT---	17	29	55	9022	4.3	383				1	9461	366
GUERNSEY												
6500 - 7499--	2	3	5	7664	5.0	383	1	6913	321	2	7385	334
7500 - 8499--	8	88	204	8000	4.8	379	1	7797	364	6	8848	391
8500 - 9499--	35	340	770	8309	4.8	399	3	8928	428	31	9216	415
9500 -10499--	25	716	1505	9059	4.9	429	6	9916	453	24	9641	436
10500-11499--	6	64	178	8164	4.7	382	2	10771	515	5	9723	435
13500-14499--	1	1	1	6340	4.8	305	1	14020	531	1	12906	471
NO REPORT---	104	609	1534	8080	4.8	382				4	9695	432
HOLSTEIN												
7500 - 8499--	1	1	1	13300	4.1	544	1	7880	385	1	9875	443
8500 - 9499--	2	2	2	8580	4.0	339	1	8955	352	2	10186	390
9500 -10499--	15	177	473	11426	3.6	409	2	9900	366	14	11260	415
10500-11499--	24	220	449	10954	3.7	398	3	11061	407	24	11590	433
11500-12499--	98	3788	7245	12054	3.7	448	18	12090	449	96	12072	449
12500-13499--	99	5282	11673	12549	3.7	464	21	12887	481	95	12621	471
13500-14499--	32	233	479	13170	3.8	497	3	13902	524	32	13524	509
14500-15499--	19	159	473	13874	3.7	504	1	14967	551	17	13769	506
15500-16499--	4	5	6	17740	4.0	682	1	16086	626	3	16367	643
16500-- OVER	1	1	1	15360	3.8	582	1	16980	638			
NO REPORT---	166	792	2485	11626	3.6	420				2	9578	354
JERSEY												
UNDER 6500--	1	1	1	2090	5.9	123	1	5100	332			
6500 - 7499--	1	1	1	4430	6.1	271	1	6690	382	1	8306	446
7500 - 8499--	2	4	8	8615	5.3	449	2	8439	421	2	8984	449
8500 - 9499--	3	16	41	9074	5.4	488	1	9079	487	3	7871	411
9500 -10499--	6	101	207	9669	5.1	489	7	9751	501	5	9559	486
10500-11499--	1	8	20	9543	5.6	536	2	10977	575	1	9730	540
NO REPORT---	35	145	381	7702	5.2	399				4	11208	455
BRDWN SWISS												
8500 - 9499--	2	3	3	9385	4.2	395	2	9100	375	1	9821	403
9500 -10499--	11	271	543	10892	4.2	451	7	10084	417	11	10335	431
10500-11499--	14	129	231	10602	4.2	443	5	10912	446	12	10860	455
11500-12499--	16	78	155	11100	4.2	466	2	11901	492	16	11742	491
13500-14499--	1	1	1	10240	4.1	418	1	13790	559	1	12023	510
NO REPORT---	35	113	279	10356	4.2	436						
ALL BREEDS												
UNDER 6500--	1	1	1	2090	5.9	123	1	5100	332			
6500 - 7499--	3	4	6	6586	5.3	345	1	6838	341	5	7692	371
7500 - 8499--	12	95	216	8581	4.8	403	1	7953	376	10	9067	411
8500 - 9499--	42	361	816	8428	4.8	403	2	8949	426	37	9176	413
9500 -10499--	58	1267	2732	10084	4.4	433	5	9923	428	55	10181	433
10500-11499--	45	421	878	10441	4.0	413	3	10974	437	42	11115	442
11500-12499--	114	3866	7400	11920	3.8	450	16	12063	455	112	12625	455
12500-13499--	99	5282	11673	12549	3.7	464	21	12887	461	95	12621	471
13500-14499--	34	235	481	12883	3.8	489	3	13902	525	34	13462	508
14500-15499--	19	159	473	13874	3.7	504	1	14967	551	17	13769	506
15500-16499--	4	5	6	17740	4.0	682	1	16086	626	3	16367	643
16500-- OVER	1	1	1	15360	3.8	582	1	16980	638			
NO REPORT---	357	1688	4734	9960	4.2	407				11	10202	420

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	2	3	5173	4.5	227	2	6443	249	1	9293	388
6500 - 7499--	3	7	17	7672	4.0	306	2	7126	288	5	7753	310
7500 - 8499--	13	107	199	8052	4.1	323	5	8236	331	13	8950	364
8500 - 9499--	56	1700	3490	8822	4.2	367	25	9095	373	55	9340	383
9500 - 10499--	18	873	1680	9080	4.2	381	41	9896	406	17	10012	409
10500-11499--	4	7	15	10177	4.0	405	2	10923	435	4	11306	466
11500-12499--	5	8	13	11931	4.3	511	2	11852	487	5	12113	496
NO REPORT---	8	16	50	8607	4.1	355						
GUERNSEY												
UNDER 6500--	5	7	9	7582	5.0	382	1	5964	500	3	7666	369
6500 - 7499--	18	56	121	7128	5.0	354	2	7219	340	15	7871	380
7500 - 8499--	112	4985	11387	7348	4.9	357	33	8179	380	107	8438	394
8500 - 9499--	177	8704	20233	7654	4.8	367	39	8881	400	174	9008	408
9500 - 10499--	21	140	340	7556	4.8	360	4	9984	423	16	10039	424
10500-11499--	7	22	73	8785	4.6	400	2	10874	436	5	10477	441
11500-12499--	4	6	12	7900	4.5	349	1	11782	450	2	10442	424
NO REPORT---	42	55	109	7689	4.6	368						
HOLSTEIN												
UNDER 6500--	1	1	1	5120	3.5	181	1	6180	222	1	13941	524
6500 - 7499--	6	7	19	9869	3.6	351	1	7065	279	2	8180	349
7500 - 8499--	10	14	31	9714	3.6	347	1	8068	319	7	9733	391
8500 - 9499--	26	45	81	9949	3.7	367	2	9170	351	19	10282	396
9500 - 10499--	56	203	430	10909	3.7	404	3	10023	378	47	10472	399
10500-11499--	249	33768	72529	11102	3.7	407	115	11152	415	245	11390	425
11500-12499--	304	55039	108203	11781	3.7	436	165	11877	442	289	12194	455
12500-13499--	83	571	968	12674	3.7	469	6	12884	475	76	12809	477
13500-14499--	17	29	64	13275	3.6	476	1	13903	508	14	13416	495
14500-15499--	8	13	18	13728	3.7	505	1	14852	561	4	13922	534
15500-16499--	5	10	12	14122	3.7	524	2	15967	609	4	14757	546
16500- OVER	1	10	12	18107	3.8	687	10	17197	667	1	16313	632
NO REPORT---	54	79	133	11253	3.6	402				2	13509	508
JERSEY												
UNDER 6500--	9	30	50	5292	5.1	268	1	5628	269	9	7599	396
6500 - 7499--	32	948	1861	6876	5.3	361	12	7156	373	31	7567	397
7500 - 8499--	83	3211	7014	7532	5.3	398	17	7973	417	80	8084	425
8500 - 9499--	11	114	230	7895	5.4	426	3	8832	460	9	8704	453
9500 - 10499--	4	9	17	8631	5.1	439	2	10032	520	3	9163	472
10500-11499--	1	1	1	10190	4.9	496	1	10940	577			
NO REPORT---	47	88	204	6854	5.2	353				4	7957	378
BROWN SWISS												
UNDER 6500--	1	1	1	7660	4.1	318	1	6330	255	1	8088	318
6500 - 7499--	2	4	7	7008	4.3	297	1	6880	265	1	8088	318
7500 - 8499--	2	3	3	7300	4.0	292	2	7865	318	2	7451	294
8500 - 9499--	4	14	24	7947	4.2	332	2	8992	366	4	8653	358
9500 - 10499--	13	241	461	9837	4.3	424	9	10146	425	13	10020	421
10500-11499--	12	312	530	10320	4.2	433	14	10906	453	12	10419	437
11500-12499--	7	24	34	11628	4.2	483	2	11735	473	7	11656	481
12500-13499--	1	8	8	11496	4.3	497	5	13220	543	1	12590	545
NO REPORT---	26	28	51	10158	4.1	417						
M. SHORTHORN												
UNDER 6500--	5	13	19	6839	3.7	250	1	5337	190	5	5567	206
6500 - 7499--	1	4	4	7263	3.8	268	1	6560	234			
8500 - 9499--	1	1	2	4820	4.2	193	1	8525	324	1	5325	221
9500 - 10499--	1	1	1	9110	3.9	355	1	10480	395	1	9178	353
NO REPORT---	1	2	3	7660	4.4	333						
ALL BREEDS												
UNDER 6500--	22	54	83	6259	4.6	286	1	5732	263	20	7527	346
6500 - 7499--	62	1026	2029	7288	4.9	352	7	7146	344	52	7699	383
7500 - 8499--	220	8320	18634	7566	4.9	369	24	8097	388	209	8368	403
8500 - 9499--	275	10578	24060	8113	4.6	368	31	8950	392	262	9140	402
9500 - 10499--	113	1467	2929	9774	4.1	396	10	10014	402	97	10206	410
10500-11499--	273	34110	73148	10991	3.8	410	105	11130	417	266	11328	427
11500-12499--	320	55077	108262	11731	3.7	437	157	11872	443	303	12169	456
12500-13499--	84	579	976	12660	3.7	470	6	12888	476	77	12806	478
13500-14499--	17	29	64	13275	3.6	476	1	13903	508	14	13416	495
14500-15499--	8	13	18	13728	3.7	505	1	14852	561	4	13922	534
15500-16499--	5	10	12	14122	3.7	524	2	15967	609	4	14757	546
16500- OVER	1	10	12	18107	3.8	687	10	17197	667	1	16313	632
NO REPORT---	178	268	550	8952	4.4	381				6	9741	421

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUP 10 ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	1	6650	3.7	249	1	5050	176	1	6867	259
6500 - 7499--	1	7	11	9560	4.0	386	1	6680	253	1	10039	362
7500 - 8499--	2	3	8	7311	4.2	305	2	7660	323			
8500 - 9499--	12	58	109	9108	4.1	368	3	9159	366	10	9103	360
9500 - 10499--	24	685	1283	9837	4.0	394	16	9881	390	23	9809	386
10500-11499--	5	27	53	9318	4.1	379	2	11161	435	5	10936	434
11500-12499--	1	6	13	9715	3.9	378	1	12327	501	1	11587	470
12500-13499--	1	3	3	8297	3.5	290	2	13360	475	1	13690	506
NO REPORT---	12	23	47	8790	4.1	356						
GUERNSEY												
UNDER 6500--	2	2	6	8503	4.2	359	1	6025	289	1	8593	412
6500 - 7499--	13	56	135	7701	4.7	360	1	7207	349	11	8121	383
7500 - 8499--	24	188	454	7623	4.8	362	5	8087	374	22	7990	381
8500 - 9499--	59	1178	2585	8055	4.7	379	14	8959	406	57	8865	454
9500 - 10499--	28	259	444	8801	4.7	411	7	10068	443	25	9797	462
10500-11499--	10	32	49	8904	4.8	424	3	10928	447	8	10887	447
11500-12499--	2	2	3	7405	4.7	348	1	11870	418	2	11222	417
12500-13499--	1	6	14	8465	4.9	412	1	12770	518			
14500-15499--	1	1	2	12505	3.4	422	1	14595	501	1	10442	353
NO REPORT---	32	48	85	7743	4.8	369						
HOLSTEIN												
UNDER 6500--	1	1	1	4390	3.7	161	1	4660	188			
6500 - 7499--	1	1	2	9450	3.7	344	1	7045	306	1	6987	328
8500 - 9499--	3	3	7	12672	3.4	430	1	9191	352	2	10404	399
9500 - 10499--	14	27	51	11023	3.6	398	1	10102	368	13	11140	405
10500-11499--	36	165	383	11090	3.6	393	2	11044	401	32	11464	411
11500-12499--	127	7508	15633	12190	3.6	438	51	12116	434	118	12164	435
12500-13499--	117	6642	10182	12388	3.7	451	51	12864	464	111	12730	457
13500-14499--	23	85	135	14092	3.6	506	3	13919	495	18	13800	469
14500-15499--	13	20	29	13494	3.7	492	1	14883	533	15	13855	496
15500-16499--	1	1	2	11590	3.4	395	1	15610	477			
16500- OVER	1	2	2	12640	3.7	480	1	17840	750	1	12382	496
NO REPORT---	39	65	129	11177	3.5	388				1	13571	451
JERSEY												
UNDER 6500--	4	7	9	5128	5.1	257	2	5435	282	2	7583	385
6500 - 7499--	19	196	410	7177	5.4	382	6	7130	370	14	7580	396
7500 - 8499--	65	1894	3609	7765	5.2	403	20	8015	412	59	8064	419
8500 - 9499--	34	307	592	8042	5.3	424	5	8869	456	33	8609	447
9500 - 10499--	6	8	12	9787	5.4	518	1	10057	525	6	9642	510
10500-11499--	2	2	5	9785	5.3	522	1	10808	562	1	9701	509
NO REPORT---	33	59	117	7528	5.2	387				1	6273	410
BROWN SWISS												
UNDER 6500--	1	4	4	6228	4.0	251	1	4690	189			
7500 - 8499--	3	3	7	8618	4.0	340	1	8033	326	2	8581	347
9500 - 10499--	25	285	488	10307	4.1	423	6	10142	417	22	10429	424
10500-11499--	29	779	1341	10330	4.1	424	16	11020	452	27	10603	434
11500-12499--	11	252	427	11993	4.2	493	13	11929	487	11	11160	456
12500-13499--	3	8	15	11607	4.0	462	2	12780	512	5	10733	418
13500-14499--	1	8	16	8463	4.5	377	1	14490	578	1	10715	446
NO REPORT---	21	30	68	11686	4.2	487						
M. SHORTHORN												
6500 - 7499--	1	1	1	7190	3.6	261	1	7370	276	1	8578	331
7500 - 8499--	2	4	6	7670	3.9	298	2	8092	311	2	8384	335
9500 - 10499--	1	2	3	10380	3.9	404	2	10403	405	1	7870	300
ALL BREEDS												
UNDER 6500--	9	15	21	6087	4.4	267	1	5354	251	4	7656	360
6500 - 7499--	35	261	559	7505	5.0	370	4	7150	354	28	7895	385
7500 - 8499--	96	2092	4084	7745	5.0	386	15	8028	396	85	8064	405
8500 - 9499--	108	1546	3293	8296	4.8	394	10	8959	416	102	8835	441
9500 - 10499--	98	1266	2281	9833	4.3	415	8	10049	417	90	10117	426
10500-11499--	82	1005	1831	10415	4.0	410	7	11023	431	73	11022	426
11500-12499--	141	7768	16076	12089	3.7	441	47	12099	438	132	12062	437
12500-13499--	122	6659	10214	12303	3.7	449	49	12865	466	115	12687	456
13500-14499--	24	93	151	13858	3.7	500	3	13943	499	19	13638	487
14500-15499--	14	21	31	13423	3.6	487	1	14863	531	14	13611	486
15500-16499--	1	1	2	11590	3.4	395	1	15610	477			
16500- OVER	1	2	2	12640	3.7	480	1	17840	750	1	12382	496
NO REPORT---	137	225	446	9365	4.4	396				2	10922	431

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	1	6980	3.7	257	1	6000	258	1	7652	306
7500 - 8499--	5	10	14	9432	4.0	382	1	7891	351	3	8326	335
8500 - 9499--	9	26	60	8856	4.3	375	3	8987	362	9	9679	384
9500 -10499--	8	51	90	9271	4.0	365	6	9958	408	6	9970	394
10500-11499--	1	1	3	10333	4.1	422	1	10507	422	1	8361	327
NO REPORT---	7	8	14	8250	4.2	339						
GUERNSEY												
6500 - 7499--	5	9	17	8871	4.3	380	1	6987	331		8720	408
7500 - 8499--	18	141	284	8360	5.0	414	5	8175	400	17	8409	407
8500 - 9499--	59	633	1393	8518	4.8	407	8	8993	427	57	8984	428
9500 -10499--	20	148	305	8606	4.8	411	5	9876	460	19	9385	448
10500-11499--	6	43	113	9988	4.8	471	5	11247	540	6	10726	507
11500-12499--	7	13	28	9383	4.9	453	1	11939	555	5	10517	503
12500-13499--	2	4	8	9958	5.1	505	2	12854	605	2	10079	522
NO REPORT---	39	51	73	8229	5.0	408						
HOLSTEIN												
6500 - 7499--	1	1	1	11610	3.9	452	1	6890	264			
8500 - 9499--	6	6	9	10073	3.8	371	1	8769	323		9072	329
9500 -10499--	4	5	8	11791	3.8	448	1	9851	369	4	10474	380
10500-11499--	16	39	73	11824	3.6	423	2	11041	406	13	10936	409
11500-12499--	61	835	1665	12314	3.6	444	11	12087	440	58	12256	446
12500-13499--	104	2459	4302	12843	3.7	471	21	12979	478	104	12746	469
13500-14499--	54	776	1386	13508	3.7	497	13	13909	511	52	13435	495
14500-15499--	17	37	60	13268	3.7	495	1	14981	553	13	12968	484
15500-16499--	9	13	19	13233	3.9	507	1	15971	587	7	14865	558
16500- OVER	4	13	39	15126	3.6	542	2	16675	605	4	15666	573
NO REPORT---	58	70	119	12025	3.6	435				5	11619	421
JERSEY												
UNDER 6500--	5	7	9	7185	5.3	374	1	6132	326	3	6838	359
6500 - 7499--	10	44	86	7451	5.2	381	2	7152	362	9	7611	381
7500 - 8499--	27	172	324	7918	5.3	416	4	8037	418	25	8102	421
8500 - 9499--	12	40	89	8447	5.2	433	2	8819	452	11	8796	454
9500 -10499--	7	26	44	8983	5.2	467	3	9920	508	7	8874	464
10500-11499--	2	4	5	11469	5.1	580	2	10753	539	1	9657	494
11500-12499--	1	1	1	8050	4.6	367	1	12310	522	1	7990	386
NO REPORT---	24	47	90	8204	5.2	424				1	8833	416
BROWN SWISS												
7500 - 8499--	2	11	27	9596	4.2	402	1	7834	318	2	8922	362
8500 - 9499--	3	10	15	9367	3.8	352	2	8788	351	3	8862	349
9500 -10499--	3	10	21	9588	4.1	395	3	9806	400	3	9455	391
10500-11499--	16	122	206	10911	4.1	444	6	11078	451	16	10711	437
11500-12499--	9	48	84	10898	4.1	442	4	11940	467	9	11628	460
12500-13499--	6	20	34	12179	4.3	521	3	13014	534	6	11141	457
13500-14499--	1	2	4	12705	3.9	496	1	14320	564			
NO REPORT---	18	20	34	9695	4.2	406				1	10115	402
M. SHORTHORN												
UNDER 6500--	1	1	1	11120	3.5	394	1	6470	256	1	8971	343
7500 - 8499--	2	2	2	8250	4.0	325	1	8115	308	1	5853	207
NO REPORT---	1	1	1	11510	3.6	412						
ALL BREEDS												
UNDER 6500--	7	9	11	7718	4.8	360	1	6161	306	5	7428	345
6500 - 7499--	16	54	104	8155	4.8	386	2	7072	346	12	7888	388
7500 - 8499--	54	336	651	8280	5.0	408	4	8065	398	48	8212	404
8500 - 9499--	89	715	1566	8676	4.7	403	6	8947	413	84	9034	419
9500 -10499--	42	240	468	9169	4.6	414	4	9891	445	39	9500	431
10500-11499--	41	209	400	11145	4.0	446	4	11058	450	37	10700	437
11500-12499--	78	857	1778	11833	3.8	444	9	12059	455	73	12001	451
12500-13499--	112	2483	4344	12756	3.7	474	20	12979	484	112	12612	469
13500-14499--	55	778	1390	13493	3.7	497	12	13916	512	52	13435	495
14500-15499--	17	37	60	13268	3.7	495	1	14981	553	13	12968	484
15500-16499--	9	13	19	13233	3.9	507	1	15971	587	7	14865	558
16500- OVER	4	13	39	15126	3.6	542	2	16675	605	4	15666	573
NO REPORT---	147	197	351	9925	4.3	418				7	11006	417

TABLE 12.--DAUGHTER-AVERAGE OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
7500 - 8499--	5	8	16	7699	4.1	315	1	8162	338	3	9249	376
8500 - 9499--	5	29	50	9023	4.2	377	5	9020	367	5	9443	383
9500 - 10499--	6	17	20	8935	4.2	372	2	9908	401	5	10348	420
10500-11499--	2	2	4	9455	4.2	398	1	10719	452	1	9483	403
NO REPORT---	1	3	7	6033	4.1	248				1	7913	302
GUERNSEY												
UNDER 6500--	3	3	8	6765	4.6	314	1	5814	282			
6500 - 7499--	3	3	5	6930	4.2	284	1	7071	302	3	6849	292
7500 - 8499--	29	168	367	7888	4.9	382	4	8135	384	25	8148	379
8500 - 9499--	54	873	1921	8374	4.8	397	12	9047	428	48	8819	416
9500 - 10499--	39	473	904	8411	4.8	402	10	9906	444	38	9436	428
10500-11499--	17	52	103	9069	4.7	426	3	10975	487	17	10133	450
11500-12499--	5	23	49	7964	4.8	382	1	11874	440	5	9817	383
NO REPORT---	30	71	111	7440	4.8	356						
HOLSTEIN												
UNDER 6500--	2	2	2	11115	3.7	406	1	5700	210			
6500 - 7499--	1	1	1	10020	4.2	422	1	7260	265	1	12012	465
7500 - 8499--	1	1	1	12610	3.4	423	1	7520	278			
8500 - 9499--	2	13	32	9177	3.3	305	2	8954	327	2	11214	423
9500 - 10499--	16	33	46	10770	3.6	382	1	9953	369	12	11068	405
10500-11499--	33	299	696	11529	3.7	420	7	11044	409	27	11183	411
11500-12499--	152	8250	15305	11898	3.7	443	51	12148	450	124	12106	449
12500-13499--	143	15479	24651	12729	3.7	467	81	12811	476	139	12751	472
13500-14499--	53	198	380	13593	3.7	499	3	13946	510	46	13515	497
14500-15499--	18	27	46	14182	3.7	520	1	14914	540	13	13881	513
15500-16499--	1	1	1	14680	3.8	560	1	16170	617	1	14257	524
16500- OVER	1	1	2	18270	3.6	664	1	16610	626	1	15707	592
NO REPORT---	40	58	94	12038	3.7	440				3	12341	453
JERSEY												
UNDER 6500--	4	11	23	8675	4.9	420	1	6290	326	2	6775	340
6500 - 7499--	18	111	205	7064	5.4	379	4	7037	379	15	7572	396
7500 - 8499--	35	441	784	7665	5.1	390	9	8029	412	32	8001	415
8500 - 9499--	19	84	141	8452	5.3	441	3	8991	465	16	8809	463
9500 - 10499--	5	15	44	9660	5.1	486	2	9960	524	5	8980	476
10500-11499--	2	6	12	8871	5.2	460	2	11238	553	2	9603	497
NO REPORT---	12	16	29	7903	5.4	415				1	6257	342
BROWN SWISS												
6500 - 7499--	1	1	1	10010	4.3	430	1	7190	278	1	10268	428
7500 - 8499--	1	1	6	8673	4.1	358	1	8200	362			
8500 - 9499--	4	6	7	9514	4.4	412	1	9023	384	2	8709	376
9500 - 10499--	14	73	117	10004	4.1	407	4	10155	410	11	9877	397
10500-11499--	56	766	1347	10795	4.2	449	17	11096	456	32	10789	445
11500-12499--	27	740	1321	11177	4.2	468	21	11880	488	25	11316	468
12500-13499--	6	9	23	12554	4.3	534	1	12845	539	6	12413	509
13500-14499--	3	3	5	13205	4.1	534	1	13665	550	2	13492	530
NO REPORT---	12	16	17	9132	4.2	389				1	12241	496
M. SHORTHORN												
6500 - 7499--	3	6	11	6974	4.0	279	1	7189	272	2	5765	225
7500 - 8499--	5	11	16	8549	3.9	334	1	8214	314	4	6942	265
8500 - 9499--	5	18	24	9041	4.0	357	2	8952	355	4	7726	294
9500 - 10499--	4	7	11	8204	4.0	326	2	10229	377	3	8252	305
10500-11499--	1	3	4	10447	3.6	382	3	10603	398	1	8824	332
NO REPORT---	7	7	11	7418	3.8	281						
ALL BREEDS												
UNDER 6500--	9	16	33	8580	4.5	382	1	6000	286	2	6775	340
6500 - 7499--	26	122	223	7265	5.0	360	3	7073	349	22	7633	371
7500 - 8499--	76	630	1190	7889	4.9	378	6	8086	387	64	8050	390
8500 - 9499--	89	1023	2175	8534	4.7	401	8	9025	424	79	8859	418
9500 - 10499--	84	618	1142	9226	4.4	398	6	9975	422	74	9749	417
10500-11499--	91	1128	2166	10663	4.1	433	10	11044	446	80	10712	434
11500-12499--	164	9013	16675	11659	3.9	445	45	12096	456	154	11903	450
12500-13499--	149	13488	24674	12722	3.7	470	78	12610	479	145	12737	473
13500-14499--	56	201	385	13572	3.7	501	3	13931	512	48	13514	498
14500-15499--	18	27	46	14182	3.7	520	1	14914	540	13	13881	513
15500-16499--	1	1	1	14680	3.8	560	1	16170	617	1	14257	524
16500- OVER	1	1	2	18270	3.6	664	1	16610	626	1	15707	592
NO REPORT---	102	171	269	9481	4.3	393				6	10572	417

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY DAUS. NO.	CONTEMPORARY MILK LB.	AV. FAT LB.	YEARLY SIRES NG.	HERD MILK LB.	FAT LB.
AYRSHIRE												
7500 - 8499-	1	2	2	6955	4.0	274	2	8230	326	1	9009	365
8500 - 9499-	2	6	6	9456	3.9	370	3	9134	357	2	9589	381
9500 - 10499-	5	22	28	8864	4.1	365	4	10139	389	4	10679	426
10500-11499-	6	20	32	10158	4.2	421	3	10929	429	6	11847	466
11500-12499-	3	5	16	10339	3.9	396	1	11849	445	3	9194	364
12500-13499-	1	1	1	12570	4.5	564	1	12560	561	1	11848	523
NO REPORT---	3	7	13	10136	3.8	364						
GUERNSEY												
6500 - 7499-	12	18	29	6720	4.8	318	1	7147	336	8	8357	406
7500 - 8499-	33	235	460	7886	4.8	377	5	8125	381	32	8978	412
8500 - 9499-	74	1432	2742	8055	4.9	387	15	8996	409	71	9366	426
9500 - 10499-	38	335	640	8730	4.8	412	7	9946	450	36	10113	453
10500-11499-	9	18	31	8988	4.9	443	2	10250	476	9	10727	473
11500-12499-	3	5	8	8882	5.0	434	1	12047	500	3	11618	513
12500-13499-	3	6	7	9725	4.8	464	2	12692	499	1	11958	493
13500-14499-	1	1	2	8290	4.6	380	1	13820	510			
15500-16499-	4	4	5	8320	4.8	384	1	15970	765			
NO REPORT---	32	58	103	8041	4.8	387				1	9014	402
HOLSTEIN												
7500 - 8499-	7	9	10	8894	3.8	344	1	8025	292	4	11764	424
8500 - 9499-	8	11	20	11069	3.6	407	1	9130	366	7	10297	398
9500 - 10499-	21	131	236	10882	3.6	391	3	10139	379	17	11314	421
10500-11499-	55	345	627	11128	3.7	406	5	11071	406	49	11581	430
11500-12499-	185	11392	20698	12073	3.7	440	53	12066	442	181	12587	462
12500-13499-	126	5260	7473	12463	3.7	459	39	12844	470	121	13160	481
13500-14499-	51	140	297	12787	3.8	478	3	13869	507	29	13734	503
14500-15499-	29	71	145	14162	3.7	522	2	14922	549	23	14668	534
15500-16499-	4	4	4	13685	3.7	505	1	15833	574	2	15538	569
16500- OVER	3	3	4	14923	3.5	520	1	17795	654	2	16813	618
NO REPORT---	39	62	105	12925	3.5	449				3	12132	443
JERSEY												
UNDER 6500--	5	8	12	6337	5.1	318	1	5968	311	5	7384	392
6500 - 7499-	21	144	246	7884	5.2	405	4	7075	372	20	7650	399
7500 - 8499-	42	637	1208	7678	5.2	399	8	7942	407	36	8420	430
8500 - 9499-	13	66	140	8834	5.2	462	2	8880	465	13	8969	466
9500 - 10499-	4	12	17	9611	5.1	483	2	9997	527	4	9097	482
14500-15499-	1	1	1	4000	5.9	238	1	15100	573			
NO REPORT---	24	53	118	7560	5.3	399				2	8144	439
BROWN SWISS												
UNDER 6500--	1	2	3	9180	3.9	353	1	3790	169	1	10148	428
6500 - 7499-	1	1	1	11420	4.2	479	1	6940	312	1	11009	421
7500 - 8499-	4	13	19	9311	4.0	368	1	8173	326	3	10533	434
8500 - 9499-	2	3	4	4138	4.4	182	1	9280	354	1	8001	299
9500 - 10499-	8	75	121	9954	4.1	403	6	10047	399	8	10683	424
10500-11499-	9	79	154	10432	4.1	420	5	10858	435	9	11081	445
11500-12499-	15	61	94	11829	4.2	498	3	11751	480	15	11604	474
12500-13499-	8	24	57	12048	4.2	500	2	12886	511	8	12235	488
14500-15499-	1	2	2	10515	4.2	436	1	14550	554	1	11990	493
NO REPORT---	13	17	34	10454	3.9	411						
M. SHORTHORN												
8500 - 9499-	3	3	3	8587	4.1	354	1	8760	356	1	9941	346
9500 - 10499-	1	3	5	10932	3.7	406	2	10345	380	1	9102	327
11500-12499-	1	2	2	14985	3.7	543	1	12250	438	1	9668	342
NO REPORT---	3	4	5	8550	3.8	325						
RED GANE												
8500 - 9499-	1	5	5	8944	4.0	355	2	9475	358	1	11086	436
10500-11499-	1	6	9	10815	4.1	440	4	10819	405	1	11572	439
ALL BREEDS												
UNDER 6500--	6	10	15	6811	4.9	324	1	5605	288	6	7845	398
6500 - 7499-	34	163	276	7577	5.0	376	3	7097	357	29	7961	401
7500 - 8499-	87	896	1699	7921	4.9	383	6	8032	383	78	8909	422
8500 - 9499-	103	1526	2920	8363	4.7	393	11	8998	409	96	9395	426
9500 - 10499-	77	578	1047	9527	4.3	406	5	10029	425	72	10421	440
10500-11499-	80	468	853	10732	3.9	413	5	11019	419	74	11438	440
11500-12499-	207	11465	20818	11998	3.7	444	47	12041	446	203	12435	461
12500-13499-	138	5291	7538	12380	3.8	462	36	12841	474	131	13085	482
13500-14499-	32	141	299	12646	3.8	475	3	13867	507	29	13734	503
14500-15499-	31	74	148	13717	3.8	510	2	14916	550	24	14557	533
15500-16499-	8	8	9	11003	4.2	444	1	15901	669	2	15538	569
16500- OVER	3	3	4	14923	3.5	520	1	17795	654	2	16813	618
NO REPORT---	114	201	378	9954	4.3	412				6	10283	435

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	1	4930	3.6	179	1	5900	223	1	7041	263
6500 - 7499--	1	1	1	6690	3.8	254	1	7170	245	1	6900	238
7500 - 8499--	3	28	47	7202	4.0	290	8	8273	323	3	8822	343
8500 - 9499--	2	10	20	9111	4.0	366	5	9188	365	1	8578	335
9500 -10499--	7	33	60	9682	4.3	411	3	9856	411	6	9646	404
10500-11499--	1	3	3	6923	4.4	309	3	10510	416	1	9952	410
NO REPORT---	3	3	4	13598	4.4	553				1	11216	471
GUERNSEY												
UNDER 6500--	10	54	113	6955	4.6	319	2	6073	290	9	7312	343
6500 - 7499--	42	291	755	6928	4.8	330	5	7156	339	38	7294	344
7500 - 8499--	159	3176	6872	7595	4.8	362	17	8094	380	155	8215	389
8500 - 9499--	116	1492	2785	8044	4.8	385	10	8912	410	109	8940	418
9500 -10499--	13	89	176	8861	4.7	418	4	9785	442	13	9471	445
10500-11499--	6	14	29	7566	4.8	358	1	10859	442	4	9697	420
11500-12499--	1	6	19	6786	5.2	348	1	11847	425	1	11162	398
12500-13499--	1	1	3	9833	4.8	476	1	12863	484	1	13413	521
13500-14499--	1	1	1	8530	4.4	372	1	14030	488	1	11183	415
NO REPORT---	50	157	331	7661	4.8	368						
HOLSTEIN												
UNDER 6500--	1	1	2	5060	3.3	162	1	6490	221	1	9276	313
6500 - 8499--	3	4	6	8501	3.7	307	1	8141	301	2	8476	339
8500 - 9499--	5	7	10	9578	3.7	346	1	9121	343	5	10667	405
9500 -10499--	28	187	417	10754	3.6	388	5	10049	367	20	10422	382
10500-11499--	92	1936	4818	11023	3.6	394	14	11093	402	87	11311	410
11500-12499--	280	17471	35893	11848	3.6	427	52	12053	436	275	12015	436
12500-13499--	213	10317	14942	12786	3.6	464	45	12911	472	205	12868	470
13500-14499--	38	220	358	13084	3.7	479	5	13919	506	35	13084	481
14500-15499--	14	35	55	13557	3.7	492	2	14912	545	12	13671	516
15500-16499--	3	6	6	16489	3.7	606	2	15868	593	2	14399	519
16500- OVER	3	4	4	14845	3.7	545	1	16803	620	3	15565	573
NO REPORT---	61	157	357	11548	3.6	409				5	11260	405
JERSEY												
UNDER 6500--	7	14	19	5677	5.5	308	1	5975	313	5	6840	358
6500 - 7499--	48	299	602	6974	5.3	366	5	7055	373	41	7349	390
7500 - 8499--	56	438	870	7927	5.3	416	6	7948	422	51	8067	431
8500 - 9499--	9	35	50	9132	5.4	469	3	8854	461	8	8856	463
9500 -10499--	4	19	68	7354	5.1	372	1	9844	465	1	8644	451
NO REPORT---	26	62	127	7066	5.5	386						
BROWN SWISS												
7500 - 8499--	2	4	8	7644	4.4	328	2	8324	334	1	9454	375
8500 - 9499--	18	103	231	9083	4.1	372	5	9136	362	16	9474	372
9500 -10499--	38	487	1030	9915	4.1	403	9	10023	402	35	9945	396
10500-11499--	38	629	1115	10720	4.1	437	13	10922	441	36	10946	439
11500-12499--	12	200	312	11721	4.0	470	12	11844	479	12	11475	466
12500-13499--	3	7	11	11736	4.3	500	1	12732	508	3	11699	472
13500-14499--	1	4	17	10889	4.1	445	1	13613	542			
NO REPORT---	17	32	67	9518	4.0	380						
M. SHORTHORN												
6500 - 7499--	1	4	15	6387	3.7	237	2	7004	265	1	6814	254
7500 - 8499--	5	9	14	8398	4.0	334	1	8255	323	4	8004	333
8500 - 9499--	9	18	25	9213	3.9	354	1	9090	348	9	7937	328
9500 -10499--	5	6	11	9927	4.0	390	1	9850	374	5	9485	368
10500-11499--	1	2	4	9699	4.0	389	2	10839	413	1	8126	307
NO REPORT---	5	6	11	8834	4.1	368						
ALL BREEDS												
UNDER 6500--	19	70	135	6278	4.8	300	1	6049	291	16	7270	341
6500 - 7499--	92	595	1373	6944	5.0	347	5	7102	355	81	7311	365
7500 - 8499--	228	3659	7817	7701	4.9	373	13	8066	387	216	8193	397
8500 - 9499--	159	1665	3121	8351	4.7	386	8	8954	401	148	8988	409
9500 -10499--	95	821	1762	9894	4.1	399	6	9969	399	86	9920	400
10500-11499--	138	2584	5969	10750	3.8	404	13	11030	414	129	11124	417
11500-12499--	293	17677	36224	11825	3.6	428	51	12043	437	288	11989	437
12500-13499--	217	10325	14956	12757	3.7	464	44	12908	472	209	12854	471
13500-14499--	40	225	376	12915	3.7	476	5	13914	506	36	13031	479
14500-15499--	14	35	55	13557	3.7	492	2	14912	545	12	13671	516
15500-16499--	3	6	6	16489	3.7	606	2	15868	593	2	14399	519
16500- OVER	3	4	4	14845	3.7	545	1	16803	620	3	15565	573
NO REPORT---	162	417	897	9370	4.4	391				6	11253	416

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HLRO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
7500 - 8499--	4	7	14	7581	4.3	321	2	8004	319	3	8311	339
8500 - 9499--	5	22	37	7398	4.1	297	4	8822	354	4	8866	350
9500 - 10499--	9	40	53	9209	4.1	373	4	9969	398	8	9121	399
10500-11499--	6	16	24	10100	4.2	420	3	10960	436	5	9142	421
NO REPORT---	3	3	3	8860	4.1	364						
GUERNSEY												
UNDER 6500--	4	9	19	6352	4.9	311	2	6403	312	4	6714	322
6500 - 7499--	39	148	335	7109	4.8	335	3	7162	341	36	7376	353
7500 - 8499--	86	973	2189	7606	4.9	369	10	8046	384	82	8115	387
8500 - 9499--	53	775	1499	7969	4.9	385	13	8897	413	48	8614	404
9500 - 10499--	19	83	147	8434	4.6	389	2	10016	460	18	9471	434
10500-11499--	7	19	31	8844	4.8	420	3	10841	463	6	10314	433
11500-12499--	1	1	3	6780	5.1	347	1	12087	494	1	13283	482
NO REPORT---	44	94	181	7556	4.8	364				2	7881	377
HOLSTEIN												
6500 - 7499--	2	2	4	8612	3.8	318	1	7005	287	2	7162	296
7500 - 8499--	2	2	3	10993	4.0	437	1	8195	337	2	8704	369
8500 - 9499--	3	8	15	9012	3.8	335	2	9197	346	3	9723	358
9500 - 10499--	20	92	253	11322	3.6	400	3	10084	371	18	10324	376
10500-11499--	89	1295	2955	11494	3.6	412	11	11152	406	80	11315	413
11500-12499--	192	14681	31143	11747	3.6	423	68	12019	433	190	11825	431
12500-13499--	101	2632	3748	12370	3.7	450	24	12913	466	96	12518	458
13500-14499--	46	304	506	13365	3.6	477	6	13903	500	43	12998	483
14500-15499--	14	79	126	13840	3.7	506	5	15012	538	13	13548	501
15500-16499--	6	23	32	15491	3.6	557	4	16057	571	6	14528	546
16500- OVER	2	2	3	16508	3.2	530	1	16958	603	1	16110	570
NO REPORT---	72	169	330	11587	3.6	418				3	12601	482
JERSEY												
UNDER 6500--	7	11	19	6614	5.4	351	1	6133	322	6	7007	364
6500 - 7499--	18	65	146	6870	5.2	352	3	7123	369	18	7315	366
7500 - 8499--	46	390	878	7668	5.3	401	6	8021	421	46	7942	415
8500 - 9499--	15	79	159	8101	5.3	423	5	8864	455	15	8747	452
9500 - 10499--	11	26	53	9227	5.4	493	2	9886	496	8	9520	455
11500-12499--	1	5	9	9746	5.0	481	5	11668	583	1	9073	480
NO REPORT---	16	29	87	7340	5.2	384				1	11260	559
BROWN SWISS												
UNDER 6500--	2	2	2	7990	3.8	296	1	5945	229	2	8012	311
7500 - 8499--	4	9	9	9682	3.8	367	2	8234	332	2	9978	396
8500 - 9499--	8	15	38	9719	4.1	394	2	8878	357	7	9543	393
9500 - 10499--	22	213	385	9487	4.1	386	7	10033	401	21	9479	395
10500-11499--	24	214	418	10344	4.0	413	6	10991	437	23	10402	425
11500-12499--	13	56	97	11944	4.1	479	4	11862	472	12	11196	448
12500-13499--	4	6	10	13498	4.1	548	1	12688	507	3	11818	447
13500-14499--	1	1	2	13830	4.1	559	1	14030	555	1	14056	540
15500-16499--	1	1	1	17470	4.1	718	1	16000	608			
16500- OVER	1	1	1	11610	3.5	407	1	16650	643			
NO REPORT---	14	20	39	9634	4.1	394				1	10557	371
M. SHORTHORN												
UNDER 6500--	1	1	1	6290	3.9	246	1	6050	241	1	7608	300
6500 - 7499--	7	16	37	6168	4.0	243	2	7219	283	7	6806	266
7500 - 8499--	10	33	55	8074	3.9	311	3	8010	310	10	7257	282
8500 - 9499--	11	38	69	7697	4.0	303	3	8786	351	11	7866	317
9500 - 10499--	3	4	6	9504	3.8	353	1	9985	383	3	7918	336
10500-11499--	3	4	6	9451	3.9	367	1	10989	410	3	9943	378
NO REPORT---	6	7	15	8451	4.1	345						
ALL BREEDS												
UNDER 6500--	14	23	41	6713	4.9	324	2	6177	300	13	7118	338
6500 - 7499--	66	231	522	6989	4.8	329	3	7153	341	63	7289	345
7500 - 8499--	152	1414	3148	7754	4.9	375	7	8042	386	145	8039	387
8500 - 9499--	95	937	1817	8108	4.7	376	9	8883	402	88	8666	396
9500 - 10499--	84	458	897	9622	4.2	402	4	10013	419	76	9582	404
10500-11499--	129	1548	3434	11024	3.8	412	9	11093	416	117	10956	416
11500-12499--	207	14743	31252	11726	3.7	427	64	12008	437	204	11781	432
12500-13499--	105	2638	3758	12413	3.7	454	23	12904	468	99	12497	458
13500-14499--	47	305	508	13374	3.6	479	6	13905	501	44	13022	485
14500-15499--	14	79	126	13840	3.7	506	5	15012	538	13	13548	501
15500-16499--	7	24	33	15774	3.7	580	3	16049	576	6	14528	546
16500- OVER	3	3	4	14875	3.3	489	1	16855	616	1	16110	570
NO REPORT---	155	322	655	9654	4.2	393				7	10769	447

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK L.B.	TEST PCT.	FAT L.B.	305-DAY CONTEMPORARY DAUS. NO.	MILK L.B.	AV. FAT L.B.	YEARLY SIRES NO.	HERO MILK L.B.	AVERAGE FAT L.B.
AYRSHIRE												
UNDER 6500--	1	1	1	10130	4.6	465	1	3630	212	1	8993	366
7500 - 8499--	5	20	37	9112	4.0	361	3	8272	335	3	8346	330
8500 - 9499--	13	87	173	8609	4.0	347	6	8877	350	12	8609	339
9500 - 10499--	20	79	146	9667	4.1	390	4	10155	408	16	8720	383
10500-11499--	12	43	68	8800	4.3	371	3	11105	440	10	9566	398
11500-12499--	3	8	9	10589	4.4	466	2	11678	500	2	9647	388
14500-15499--	1	1	1	9230	4.5	415	1	14620	798	1	8949	366
NO REPORT---	4	4	7	8987	4.3	388						
GUERNSEY												
UNDER 6500--	4	4	6	6676	4.8	317	1	6024	304	2	6347	329
6500 - 7499--	9	16	28	7931	4.8	379	1	7181	346	5	8453	401
7500 - 8499--	53	413	1025	7853	4.9	382	6	8136	393	46	8307	395
8500 - 9499--	45	710	1311	8067	4.8	388	14	8631	420	41	8635	412
9500 - 10499--	21	66	125	8823	4.9	430	2	9950	454	20	9264	438
10500-11499--	7	16	41	8932	4.6	404	1	10715	481	5	9770	463
11500-12499--	3	6	27	7243	4.9	354	1	11854	516	3	10571	467
12500-13499--	1	12	45	11287	5.0	566	11	12583	579	1	11330	552
NO REPORT---	42	73	120	7439	5.0	367				2	7861	385
HOLSTEIN												
7500 - 8499--	3	9	18	9802	3.6	353	2	8030	341	1	8878	395
8500 - 9499--	7	10	18	12248	3.6	437	1	9131	357	6	10618	397
9500 - 10499--	20	42	84	11337	3.7	414	2	10015	370	18	10086	386
10500-11499--	38	134	311	11031	3.6	395	2	10975	401	26	11253	417
11500-12499--	106	2563	5723	12130	3.7	442	21	12067	438	102	11724	438
12500-13499--	158	4003	6710	12704	3.7	464	23	12974	472	151	12381	462
13500-14499--	56	434	749	13692	3.7	504	6	13935	508	55	12554	480
14500-15499--	23	105	208	14191	3.7	520	4	14825	537	22	13710	518
15500-16499--	13	29	59	13981	3.6	504	2	15850	549	10	14018	525
16500- OVER	3	9	20	15007	3.5	524	2	17249	606	3	16321	563
NO REPORT---	49	110	237	11983	3.7	434				1	11652	450
JERSEY												
UNDER 6500--	8	24	52	6841	5.2	354	2	6041	323	6	6607	342
6500 - 7499--	17	92	177	6825	5.4	368	4	7068	372	16	7154	375
7500 - 8499--	33	128	267	7498	5.4	399	3	7998	418	32	7685	405
8500 - 9499--	22	158	355	7772	5.4	415	3	8778	451	18	8378	448
9500 - 10499--	6	23	64	8096	5.2	420	2	9953	514	4	9068	468
NO REPORT---	27	62	152	7231	5.2	373				3	8902	495
BROWN SWISS												
UNDER 6500--	1	1	1	5410	4.5	244	1	5800	230			
7500 - 8499--	7	16	28	8914	4.4	387	1	7968	330	7	7932	339
8500 - 9499--	16	56	89	9282	4.2	383	3	9093	376	15	8909	392
9500 - 10499--	40	339	646	10017	4.2	411	6	10076	409	40	9683	405
10500-11499--	44	761	1506	10057	4.1	412	14	10901	439	41	10239	427
11500-12499--	6	30	57	10868	3.9	417	4	11848	469	5	10813	434
12500-13499--	7	26	40	11389	4.1	458	3	12979	514	7	10941	452
NO REPORT---	21	32	53	10576	4.1	426				4	11338	462
M. SHORTHORN												
UNDER 6500--	1	1	1	5770	4.0	229	1	5060	186			
6500 - 7499--	4	19	31	8147	4.0	320	4	7201	274	4	7614	290
7500 - 8499--	13	48	93	7900	3.8	302	3	8039	309	12	7264	279
8500 - 9499--	15	44	63	8815	3.9	341	2	8849	341	13	7209	313
9500 - 10499--	6	12	19	7827	3.7	289	2	9918	368	4	8208	306
10500-11499--	3	3	3	7353	3.9	281	1	10703	396	1	8796	330
11500-12499--	1	6	9	7136	3.6	251	6	12042	456	1	8421	320
12500-13499--	2	4	6	5896	3.9	235	1	13105	510	1	7423	281
NO REPORT---	11	12	16	7341	3.8	281						
ALL BREEDS												
UNDER 6500--	15	31	61	6849	4.9	336	1	5794	295	9	6814	342
6500 - 7499--	30	127	236	7333	5.0	365	3	7120	351	25	7488	367
7500 - 8499--	114	634	1468	7927	4.8	377	4	8078	383	101	7969	379
8500 - 9499--	118	1065	2009	8580	4.6	385	7	8931	398	105	8564	394
9500 - 10499--	113	561	1084	9749	4.2	405	4	10041	414	102	9439	403
10500-11499--	104	957	1929	10114	4.0	397	7	10933	427	85	10430	421
11500-12499--	119	2613	5825	11863	3.7	437	19	12041	444	113	11587	437
12500-13499--	168	4045	6801	12559	3.7	462	22	12973	475	166	12281	461
13500-14499--	56	434	749	13692	3.7	504	6	13935	508	55	12554	480
14500-15499--	24	106	209	13984	3.7	516	4	14817	548	23	13503	512
15500-16499--	13	29	59	13981	3.6	504	2	15850	549	10	14018	525
16500- OVER	3	9	20	15007	3.5	524	2	17249	606	3	16321	563
NO REPORT---	154	293	585	9310	4.4	392				10	9947	455

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUP 10 ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
NO REPORT---	1	1	1	9730	4.6	450						
GUERNSEY												
UNDER 6500--	4	5	9	7367	4.9	354	1	6056	307	2	8677	406
6500 - 7499-	5	20	32	6881	5.1	344	2	7120	340	4	8847	409
7500 - 8499-	12	61	112	7760	4.9	378	4	8160	393	12	8175	390
8500 - 9499-	29	336	790	7788	4.9	383	8	8971	418	27	8692	406
9500 - 10499-	9	46	90	9515	4.8	450	3	9897	466	9	9715	468
10500-11499-	5	12	15	7731	4.9	381	2	10952	482	5	9591	443
12500-13499-	2	6	7	9332	4.9	455	1	12970	533	2	8974	455
13500-14499-	1	1	1	8790	4.3	378	1	13840	469	1	10813	427
NO REPORT---	14	30	52	7789	4.8	371						
HOLSTEIN												
7500 - 8499-	2	3	6	13459	4.1	537	2	7793	290	2	8366	333
8500 - 9499-	9	12	20	8318	3.7	310	1	9052	352	6	8809	324
9500 - 10499-	16	87	213	11160	3.7	418	4	10116	377	14	10151	382
10500-11499-	42	395	729	11484	3.8	428	8	11075	411	39	11180	416
11500-12499-	58	571	1140	11934	3.7	439	6	12028	444	56	11560	428
12500-13499-	29	141	191	12595	3.8	475	5	12978	485	27	12567	477
13500-14499-	21	78	101	13518	3.8	507	3	13959	519	17	13471	518
14500-15499-	6	23	31	14835	3.7	545	4	14871	551	5	14292	535
15500-16499-	3	4	6	15393	3.8	586	1	16153	612	2	15220	578
16500- OVER	1	1	3	17640	3.9	692	1	17233	617	1	15398	542
NO REPORT---	41	107	229	11594	3.8	433				1	11859	439
JERSEY												
UNDER 6500--	4	31	87	5138	5.3	276	3	5340	288	4	7299	414
6500 - 7499-	22	219	533	6991	5.3	366	3	7030	370	20	7205	372
7500 - 8499-	50	591	1206	7865	5.3	413	6	7969	418	49	8053	418
8500 - 9499-	26	157	273	8266	5.3	438	4	8763	457	24	8551	455
9500 - 10499-	6	40	82	7846	5.4	416	3	10048	515	6	8809	442
NO REPORT---	29	67	115	7741	5.2	405				1	8393	450
BROWN SWISS												
7500 - 8499-	6	12	20	8847	4.3	375	1	7988	344	5	8550	358
8500 - 9499-	2	2	6	10672	4.2	447	1	9224	383	2	8195	348
9500 - 10499-	5	16	24	9308	4.3	397	2	10000	414	5	8866	371
10500-11499-	5	15	28	10340	4.0	416	3	11041	439	5	9397	413
NO REPORT---	12	15	28	9708	4.3	411				1	8284	334
M. SHORTHORN												
UNDER 6500--	1	1	1	10990	4.2	458	1	6410	262			
8500 - 9499-	6	33	52	8551	4.1	349	5	9042	359	6	7630	316
9500 - 10499-	5	12	17	9630	4.0	381	2	9931	401	5	8291	343
NO REPORT---	1	1	1	11600	3.7	427						
ALL BREEDS												
UNDER 6500--	9	37	97	6779	5.0	331	2	5777	293	6	7758	411
6500 - 7499-	27	239	565	6970	5.2	362	3	7047	364	24	7479	378
7500 - 8499-	70	667	1344	8091	5.1	407	5	7999	404	68	8121	406
8500 - 9499-	72	540	1141	8170	4.8	392	5	8919	418	65	8537	406
9500 - 10499-	41	201	426	9902	4.3	418	3	10021	424	39	9441	405
10500-11499-	52	422	772	11013	3.9	422	7	11060	420	49	10836	419
11500-12499-	58	571	1140	11934	3.7	439	8	12028	444	56	11560	428
12500-13499-	31	147	198	12385	3.8	474	4	12977	488	29	12319	475
13500-14499-	22	79	102	13303	3.8	501	3	13954	516	18	13324	513
14500-15499-	6	23	31	14835	3.7	545	4	14871	551	5	14292	535
15500-16499-	3	4	6	15393	3.8	586	1	16153	612	2	15220	578
16500- OVER	1	1	3	17640	3.9	692	1	17233	617	1	15398	542
NO REPORT---	98	221	426	9660	4.4	413				3	9512	408

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	1	6660	3.7	289	1	4720	191	1	6791	273
6500 - 7499-	1	1	2	6510	4.3	280	1	7435	296			
GUERNSEY												
6500 - 7499-	2	3	7	7473	4.8	358	2	7188	360	2	8512	397
7500 - 8499-	4	10	18	6651	5.1	334	2	7849	347	4	8734	383
8500 - 9499-	9	15	32	7889	5.2	409	1	8814	430	8	8596	409
9500 -10499-	3	10	16	7984	5.0	392	3	9919	417	3	9184	429
10500-11499-	2	2	3	7243	4.8	343	1	10708	426	1	9832	407
NO REPORT---	7	12	28	7556	4.6	351						
HOLSTEIN												
7500 - 8499-	1	2	2	9560	3.5	337	1	7680	272	1	9374	323
8500 - 9499-	9	26	58	8761	3.8	323	2	8907	331	9	9014	326
9500 -10499-	7	28	50	12004	3.6	429	3	10124	366	6	10130	350
10500-11499-	19	66	173	11205	3.5	392	3	11167	397	19	10928	386
11500-12499-	41	497	1008	11792	3.7	426	11	11996	428	40	11518	410
12500-13499-	32	191	283	12679	3.7	463	6	13017	466	30	12053	428
13500-14499-	5	15	22	12901	3.7	471	3	14030	491	5	12976	459
14500-15499-	6	8	9	15734	3.9	613	1	15100	577	6	12824	470
16500- OVER	1	1	1	10260	3.8	393	1	17380	581	1	13908	479
NO REPORT---	7	8	8	11258	3.5	398						
JERSEY												
UNDER 6500--	1	1	1	7420	6.1	455	1	6490	371			
6500 - 7499-	2	3	3	4863	5.9	284	2	7020	345			
BROWN SWISS												
7500 - 8499-	2	4	10	8376	4.2	348	2	8266	345	1	8475	322
8500 - 9499-	2	6	9	10709	3.9	413	3	9226	373	2	9876	395
9500 -10499-	11	34	67	9465	4.0	377	2	9942	405	9	9092	384
10500-11499-	8	17	27	10430	4.0	410	1	11063	443	3	9607	378
11500-12499-	4	8	12	10726	4.3	460	2	11779	485	1	8852	353
12500-13499-	1	2	2	5745	4.3	248	1	12510	520	1	11903	476
13500-14499-	1	1	2	12360	4.3	527	1	14190	597	1	13549	578
NO REPORT---	7	9	13	8151	3.9	314						
M. SHORTHORN												
8500 - 9499-	1	1	1	9310	4.0	376	1	9420	355	1	9091	347
9500 -10499-	1	1	1	8280	3.9	325	1	10040	382	1	9036	362
ALL BREEDS												
UNDER 6500--	2	2	2	7040	4.9	352	1	5605	281	1	6791	273
6500 - 7499-	5	7	12	6244	5.1	313	1	7170	341	2	8512	397
7500 - 8499-	7	16	30	7559	4.6	338	2	7944	336	6	8798	363
8500 - 9499-	21	48	100	8599	4.4	371	2	8922	379	20	8937	367
9500 -10499-	22	73	134	10017	4.0	393	3	10001	393	19	9431	379
10500-11499-	29	85	203	10718	3.8	394	2	11107	412	23	10708	386
11500-12499-	45	505	1020	11697	3.7	429	11	11977	433	41	11453	408
12500-13499-	33	193	285	12469	3.7	457	5	13001	468	31	12048	430
13500-14499-	6	16	24	12811	3.8	480	3	14057	509	6	13072	479
14500-15499-	6	8	9	15734	3.9	613	1	15100	577	6	12824	470
16500- OVER	1	1	1	10260	3.8	393	1	17380	581	1	13908	479
NO REPORT---	21	29	49	8988	4.0	354						

TABLE 12.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GRUPEO ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
9500-10499-	3	3	7	8669	4.6	396	1	10006	394	3	9432	392
11500-12499-	1	2	4	10869	4.3	466	2	11873	475	1	11266	456
GUERNSEY												
UNDER 6500--	1	4	4	6515	4.9	321	1	6200	296	1	7325	341
8500 - 9499-	1	1	1	8820	4.9	434	1	9330	415	1	9047	415
9500-10499-	1	9	33	7458	4.5	334	2	10011	470	1	8805	428
NO REPORT---	5	10	14	7391	4.6	333						
HOLSTEIN												
8500 - 9499-	5	8	14	9058	3.6	324	2	8966	318	5	8579	378
9500-10499-	7	14	19	11158	3.7	410	2	16001	363	7	10808	390
10500-11499-	10	23	32	12250	3.5	428	2	11114	397	8	11516	401
11500-12499-	11	55	92	11541	3.4	392	3	11815	417	10	11262	404
12500-13499-	13	47	76	12892	3.6	464	3	12965	462	12	11754	431
13500-14499-	5	8	11	14048	3.4	482	1	13965	473	5	12122	466
15500-16499-	3	5	12	15380	3.7	556	2	16060	579	3	14600	521
NO REPORT---	7	13	15	13439	3.8	514				1	11827	422
JERSEY												
7500 - 8499-	4	4	4	9253	5.3	481	1	8285	484	4	8407	461
NO REPORT---	4	5	12	5193	6.1	314						
BROWN SWISS												
UNDER 6500--	2	3	5	7533	3.6	268	1	4795	170			
8500 - 9499-	1	1	1	8200	4.4	360	1	9050	394	1	8371	363
10500-11499-	2	4	4	10302	4.4	458	2	11194	467	2	10522	435
11500-12499-	2	4	7	11488	4.4	490	2	11934	509	2	10709	447
12500-13499-	1	10	23	12144	4.0	489	3	13343	523	1	11090	450
13500-14499-	1	8	22	12990	3.8	498	1	13678	548	1	11323	457
NO REPORT---	16	35	77	10787	4.2	453						
ALL BREEDS												
UNDER 6500--	3	7	9	7193	4.0	285	1	5263	212	1	7325	341
7500 - 8499-	4	4	4	9253	5.3	481	1	8285	484	4	8407	461
8500 - 9499-	7	10	16	8901	3.9	345	1	9030	343	7	8616	381
9500-10499-	11	26	59	10143	4.0	399	2	10003	381	11	10251	394
10500-11499-	12	27	36	11225	3.7	433	2	11127	408	10	11317	408
11500-12499-	14	61	103	11485	3.6	411	3	11836	434	13	11177	415
12500-13499-	14	57	99	12839	3.6	466	3	12992	467	13	11703	432
13500-14499-	6	16	33	13872	3.5	485	1	13917	486	6	11989	464
15500-16499-	3	5	12	15380	3.7	556	2	16060	579	3	14600	521
NO REPORT---	32	63	118	10137	4.4	430				1	11827	422

TABLE 12.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	3	9537	3.5	336	1	5015	220	1	8175	328
6500 - 7499--	1	1	2	6810	3.8	254	1	7160	389	1	6377	279
7500 - 8499--	1	1	5	8700	4.6	400	1	7688	298	1	7347	302
8500 - 9499--	2	2	3	8080	4.4	352	1	9258	395	2	7374	318
NO REPORT---	6	9	19	8412	4.5	374						
GUERNSEY												
UNDER 6500--	1	1	1	8330	4.4	368	1	6070	334	1	7532	387
6500 - 7499--	1	1	2	6335	5.6	351	1	6635	342	1	7636	383
7500 - 8499--	6	11	26	7508	5.2	387	1	7964	396	6	8825	430
8500 - 9499--	21	99	221	8343	4.9	407	2	9030	422	17	9041	438
9500 - 10499--	14	46	101	8462	5.1	433	3	9990	459	14	9309	435
10500 - 11499--	4	8	17	9462	4.7	443	2	10749	503	4	10119	472
12500 - 13499--	1	2	7	5262	4.7	246	1	12760	501	1	10704	408
NO REPORT---	14	38	84	7805	4.8	374						
HOLSTEIN												
6500 - 7499--	1	1	1	7880	3.2	255	1	7440	260			
8500 - 9499--	3	3	8	9735	3.6	353	1	9204	367	3	10568	398
9500 - 10499--	11	38	97	10644	3.7	393	2	10148	383	11	10837	404
10500 - 11499--	27	218	440	11328	3.7	418	6	11131	415	26	10911	405
11500 - 12499--	69	853	1808	12271	3.7	453	10	11988	442	68	12052	442
12500 - 13499--	43	350	766	12581	3.7	465	5	12919	473	41	12171	448
13500 - 14499--	16	47	101	12762	3.8	480	2	13915	504	14	13188	488
14500 - 15499--	7	14	20	13835	3.8	522	2	14742	544	7	13895	514
16500- OVER	2	2	3	12423	3.7	458	1	17920	624	2	14020	499
NO REPORT---	37	76	164	11533	3.7	422				2	10887	409
JERSEY												
6500 - 7499--	3	3	3	7647	5.0	383	1	7080	383	1	7477	399
7500 - 8499--	10	26	48	8520	5.1	436	2	7973	421	7	8054	424
8500 - 9499--	4	46	138	7926	5.4	419	6	9054	472	2	8845	456
NO REPORT---	5	12	16	5625	5.3	292						
BROWN SWISS												
6500 - 7499--	1	1	2	17765	3.8	663	1	6980	282			
7500 - 8499--	2	2	7	8269	4.2	334	1	8152	328	2	8368	340
8500 - 9499--	3	7	17	9720	4.2	405	1	9012	381	3	8856	369
9500 - 10499--	7	29	42	9080	4.2	377	3	10179	425	7	9992	408
10500 - 11499--	21	48	73	10742	4.1	442	2	10939	459	11	10362	436
11500 - 12499--	7	11	18	10605	4.2	442	1	11831	488	6	11219	464
12500 - 13499--	4	8	20	11014	4.4	480	1	13083	538	4	10408	423
13500 - 14499--	3	6	11	11931	4.1	486	1	13832	563	3	11327	440
NO REPORT---	10	16	33	9627	4.1	398				1	10867	432
M. SHORTHORN												
UNDER 6500--	2	2	3	5630	3.6	205	1	6088	232	2	6802	259
6500 - 7499--	1	8	17	6407	4.1	263	2	7015	289	1	6152	245
7500 - 8499--	1	4	4	8313	4.1	342	3	8080	315	1	7946	308
9500 - 10499--	1	2	2	5560	3.4	187	1	10020	349	1	8753	304
NO REPORT---	3	3	3	8070	4.0	310				1	9854	335
ALL BREEDS												
UNDER 6500--	4	4	7	7282	3.8	278	1	5815	255	4	7328	308
6500 - 7499--	8	15	27	8517	4.5	367	1	7059	339	4	6911	327
7500 - 8499--	20	44	90	8190	5.0	404	2	7979	392	17	8315	402
8500 - 9499--	33	157	387	8528	4.7	400	2	9061	418	27	9052	418
9500 - 10499--	33	115	242	9232	4.4	400	3	10084	423	33	9946	415
10500 - 11499--	52	274	530	10948	4.0	429	4	11024	440	41	10686	420
11500 - 12499--	76	864	1826	12118	3.8	452	9	11974	446	74	11985	444
12500 - 13499--	48	360	793	12298	3.8	462	5	12929	479	46	11985	445
13500 - 14499--	19	53	112	12631	3.8	481	2	13902	513	17	12860	479
14500 - 15499--	7	14	20	13835	3.8	522	2	14742	544	7	13895	514
16500- OVER	2	2	3	12423	3.7	458	1	17920	624	2	14020	499
NO REPORT---	75	154	319	9801	4.1	393				4	10624	396

TABLE 12.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HLRO AVERAGE SIREs NO.	MILK LB.	FAT LB.
AYRSHIRE												
6500 - 7499--	1	1	1	8260	4.5	368	1	7270	306	1	8807	362
8500 - 9499--	6	143	267	9029	4.2	379	7	9265	384	6	9372	393
9500 - 10499--	5	105	161	8925	4.2	372	10	9918	461	5	9459	391
10500-11499--	2	41	54	9280	4.2	388	7	10785	432	4	9479	386
11500-12499--	1	11	18	9078	4.2	379	2	11775	469	1	11156	444
13500-14499--	1	10	21	8902	4.1	365	1	14050	564	1	13004	474
NO REPORT---	16	25	66	9092	4.3	383				2	9109	400
GUERNSEY												
UNDER 6500--	2	27	48	7877	5.2	404	1	5735	217	1	8393	409
6500 - 7499--	2	5	7	8038	5.3	427	1	7380	362			
7500 - 8499--	3	24	52	7094	5.4	381	1	7722	401	1	7434	391
8500 - 9499--	4	24	46	9208	5.0	400	2	8895	431	4	8696	433
9500 - 10499--	1	1	1	8460	5.0	422	1	10200	410	1	11163	451
12500-13499--	1	1	2	4200	5.6	238	1	12605	477			
NO REPORT---	36	92	172	7333	5.0	360				3	7390	363
HOLSTEIN												
7500 - 8499--	1	2	2	8710	3.7	320	2	7840	304			
8500 - 9499--	1	8	18	11032	3.8	415	1	9397	364	1	14083	471
9500 - 10499--	5	8	16	11126	3.7	415	1	9915	379	4	11065	408
10500-11499--	5	60	71	12338	3.7	460	8	11336	408	5	11652	439
11500-12499--	32	1344	2061	12226	3.7	454	13	12070	448	32	11731	433
12500-13499--	31	247	354	12565	3.6	457	3	12836	471	28	12764	470
13500-14499--	7	43	118	13726	3.8	524	2	14145	507	6	13756	497
14500-15499--	4	12	32	13842	3.6	499	1	14944	540	3	13307	478
15500-16499--	2	5	6	18530	3.5	649	2	15800	563	2	15267	557
16500- OVER	2	2	8	17109	3.8	649	1	17883	672	2	15020	564
NO REPORT---	76	143	312	11728	3.7	432				3	12208	428
JERSEY												
UNDER 6500--	1	8	10	4776	5.1	250	2	6480	335	1	6314	327
6500 - 7499--	8	42	74	7775	5.2	398	3	7035	363	6	7174	370
7500 - 8499--	2	7	12	7150	5.7	407	2	7784	411	1	7830	417
8500 - 9499--	1	1	1	5510	5.0	276	1	8550	455	1	8219	452
9500 - 10499--	1	1	1	10490	5.9	616	1	10120	512	1	9200	491
NO REPORT---	24	52	92	7038	5.4	376				1	7412	385
BROWN SWISS												
8500 - 9499--	8	20	27	9395	4.3	400	1	9024	369	6	9091	387
9500 - 10499--	9	114	181	9452	4.3	406	4	9869	413	9	9716	412
10500-11499--	3	17	22	10797	4.6	500	4	10656	453	3	10882	445
NO REPORT---	24	42	62	9434	4.3	405				1	8164	317
M. SHORTHORN												
6500 - 7499--	4	11	12	7334	4.1	295	2	7163	278	4	7854	296
7500 - 8499--	4	16	35	8459	3.7	315	2	7893	298	4	7477	293
8500 - 9499--	1	2	2	7395	3.7	270	1	8590	325	1	8971	334
NO REPORT---	5	13	21	7336	4.0	288						
ALL BREEDS												
UNDER 6500--	3	35	58	6843	5.1	352	1	5983	256	2	7354	368
6500 - 7499--	15	59	94	7724	4.8	372	3	7131	336	13	7509	347
7500 - 8499--	11	50	102	9375	4.5	412	2	7866	351	7	7733	337
8500 - 9499--	21	198	361	9053	4.4	392	3	9043	387	19	9307	403
9500 - 10499--	21	229	360	9727	4.3	411	5	9928	407	20	9969	412
10500-11499--	10	118	147	11264	4.1	458	7	11022	426	10	10986	430
11500-12499--	33	1355	2079	12131	3.7	451	13	12061	449	33	11713	433
12500-13499--	32	248	356	12304	3.7	451	3	12829	472	28	12764	470
13500-14499--	8	53	139	13123	3.9	504	2	14133	514	7	13648	493
14500-15499--	4	12	32	13842	3.6	499	1	14944	540	3	13307	478
15500-16499--	2	5	6	18530	3.5	649	2	15800	563	2	15267	557
16500- OVER	2	2	8	17109	3.8	649	1	17883	672	2	15020	564
NO REPORT---	181	367	725	9574	4.3	398				10	9259	388

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	2	2	4	8045	4.1	329	1	6292	245	1	5806	219
6500 - 7499--	4	21	38	6995	4.2	292	4	7175	273	4	7071	277
7500 - 8499--	9	51	102	7975	4.0	320	4	8082	327	9	8902	351
8500 - 9499--	17	76	107	8984	4.1	370	4	9078	365	17	9460	378
9500 -10499--	6	15	25	8639	4.1	355	3	10066	420	6	9334	384
10500-11499--	5	9	10	9943	4.2	412	2	11037	461	4	10929	439
GUERNSEY												
6500 - 7499--	5	10	25	6943	4.9	339	2	7058	338	3	7447	365
7500 - 8499--	20	139	342	7207	4.9	348	6	7901	372	18	7970	374
8500 - 9499--	14	168	427	7347	4.8	349	9	8926	414	13	8397	401
9500 -10499--	3	3	6	7976	4.5	362	1	9742	369	3	9670	386
10500-11499--	3	5	11	8274	4.9	396	2	10861	442	3	9457	396
11500-12499--	1	1	1	7570	4.6	348	1	12340	501	1	12088	450
13500-14499--	1	1	1	8100	4.6	375	1	14350	466	1	11946	469
NO REPORT---	8	20	55	7758	4.9	375						
HOLSTEIN												
7500 - 8499--	2	2	2	11210	3.2	364	1	8135	376	2	8328	341
8500 - 9499--	4	5	13	10476	3.5	374	1	9311	347	4	9271	342
9500 -10499--	15	35	70	10858	3.6	390	2	10150	383	14	10220	382
10500-11499--	38	456	969	11210	3.7	415	10	10999	409	38	11021	415
11500-12499--	37	291	506	11771	3.7	434	7	11262	438	36	11968	440
12500-13499--	26	85	127	12585	3.6	453	3	12863	466	26	12717	461
13500-14499--	5	10	28	13654	3.9	519	2	13972	520	5	14170	529
14500-15499--	3	3	5	15897	3.6	576	1	14843	528	3	14766	534
NO REPORT---	11	15	29	11506	3.6	410				1	14884	539
JERSEY												
UNDER 6500--	1	1	1	6140	6.4	392	1	6190	319			
6500 - 7499--	10	110	359	7156	5.3	377	8	7057	371	10	7381	389
7500 - 8499--	4	26	59	7303	5.4	393	5	7849	410	4	7894	409
8500 - 9499--	4	8	15	7687	5.7	434	2	8755	461	4	8765	458
NO REPORT---	8	17	26	6716	5.2	349				1	9352	456
BROWN SWISS												
8500 - 9499--	2	2	4	10275	4.4	452	1	9260	409	2	11500	491
9500 -10499--	1	1	2	10910	4.1	442	1	9550	396	1	11500	491
10500-11499--	2	3	4	8585	4.5	380	2	10803	474	2	11304	490
NO REPORT---	5	12	16	10580	4.3	453				3	13954	528
ALL BREEDS												
UNDER 6500--	3	3	5	7410	4.8	350	1	6258	269	1	5806	219
6500 - 7499--	19	141	422	7066	5.0	349	5	7082	342	17	7319	358
7500 - 8499--	35	218	505	7644	4.6	347	5	7955	365	33	8236	370
8500 - 9499--	41	259	566	8507	4.5	374	5	9026	391	40	9128	396
9500 -10499--	25	54	103	9982	3.9	380	2	10057	391	24	9983	387
10500-11499--	48	473	994	10785	3.9	412	6	10987	420	47	10925	419
11500-12499--	38	292	507	11660	3.8	432	7	11972	439	37	11971	441
12500-13499--	26	85	127	12585	3.6	453	3	12863	466	26	12717	461
13500-14499--	6	11	29	12729	4.0	495	2	14035	511	6	13800	519
14500-15499--	3	3	5	15697	3.6	576	1	14843	528	3	14766	534
NO REPORT---	32	64	126	9227	4.4	393				5	13220	516

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
6500 - 7499--	3	4	7	8961	4.2	373	1	7204	294	3	7098	297
7500 - 8499--	5	60	126	7979	4.4	350	11	8384	346	5	8631	355
8500 - 9499--	24	422	980	8309	4.1	341	14	9007	366	24	9170	372
9500 - 10499--	18	154	244	9921	4.2	417	8	9993	409	17	9685	395
10500-11499--	5	8	11	10324	4.0	413	2	10906	430	5	10385	409
11500-12499--	6	6	9	8665	4.4	388	1	11390	483	6	11706	465
NO REPORT---	9	11	25	8227	4.2	347						
GUERNSEY												
UNDER 6500--	3	4	12	7645	4.5	344	1	6292	306	1	6291	292
6500 - 7499--	14	26	62	6820	4.9	329	1	7016	331	11	8412	377
7500 - 8499--	35	254	567	7869	4.8	377	6	8165	385	34	8287	391
8500 - 9499--	46	856	2050	7721	4.9	378	14	8873	405	44	8663	398
9500 - 10499--	12	58	177	8386	4.9	412	3	10029	440	12	9510	420
10500-11499--	6	7	11	7111	5.1	359	1	10820	458	5	9670	410
11500-12499--	4	4	6	8179	5.1	418	1	11802	460	4	11471	466
NO REPORT---	32	43	92	7188	4.9	350						
HOLSTEIN												
UNDER 6500--	4	5	11	12359	4.1	523	1	5456	219	5	7932	320
6500 - 7499--	5	6	12	11574	3.5	408	1	7280	292	4	8465	359
7500 - 8499--	16	21	46	9485	3.7	342	1	8031	324	12	8860	353
8500 - 9499--	31	55	107	10111	3.7	375	2	9158	354	27	9232	365
9500 - 10499--	41	94	206	10477	3.7	387	2	10033	390	35	10343	399
10500-11499--	89	3638	7978	11439	3.7	424	35	11054	416	80	11292	426
11500-12499--	116	2595	4215	12024	3.8	458	20	11995	460	115	11865	457
12500-13499--	75	792	1383	12752	3.8	484	10	12879	492	70	12454	479
13500-14499--	17	69	134	13621	3.8	511	3	13886	521	17	13298	499
14500-15499--	8	103	157	14753	3.8	559	12	14881	568	6	13449	523
15500-16499--	2	2	2	19375	3.7	704	1	16105	672	2	16220	595
16500- OVER	2	2	2	15120	3.5	526	1	16875	605	1	14737	533
NO REPORT---	71	84	202	10959	3.6	393				1	11074	414
JERSEY												
UNDER 6500--	3	5	9	6747	5.2	358	1	5767	312	3	6583	340
6500 - 7499--	9	98	172	6374	5.1	321	7	6860	352	9	7036	360
7500 - 8499--	19	297	733	7616	5.1	386	7	7878	408	18	8085	421
8500 - 9499--	5	53	99	8132	5.1	412	4	8853	441	5	8183	406
9500 - 10499--	1	1	4	8905	5.4	481	1	10057	492	1	9086	453
NO REPORT---	35	91	240	8273	5.5	451				2	8595	447
BROWN SWISS												
6500 - 7499--	1	4	7	9035	4.6	410	1	7480	290	1	8944	358
7500 - 8499--	1	5	9	8868	3.9	341	5	8469	343	1	8473	341
8500 - 9499--	9	38	66	8843	4.2	371	2	8929	363	8	9875	393
9500 - 10499--	9	64	110	9550	4.2	398	2	9974	402	9	10429	414
10500-11499--	4	19	22	11592	4.2	480	2	10960	456	4	10751	403
11500-12499--	3	7	10	11551	4.4	503	1	11740	504	2	10715	421
NO REPORT---	43	112	178	10769	4.3	464				23	10322	415
ALL BREEDS												
UNDER 6500--	10	14	32	9261	4.6	420	1	5800	273	7	7119	325
6500 - 7499--	32	138	260	7707	4.6	346	3	7045	326	28	7855	360
7500 - 8499--	76	637	1481	8166	4.6	369	5	8084	375	70	8361	389
8500 - 9499--	115	1424	3302	8594	4.4	371	9	8981	382	108	8986	384
9500 - 10499--	81	371	741	9921	4.1	400	3	10043	404	74	10051	404
10500-11499--	104	3672	8022	11142	3.8	422	30	11030	421	94	11135	424
11500-12499--	129	2612	4240	11737	3.9	454	18	11978	462	127	11827	457
12500-13499--	75	792	1383	12752	3.8	484	10	12879	492	70	12454	479
13500-14499--	17	69	134	13621	3.8	511	3	13886	521	17	13298	499
14500-15499--	8	103	157	14753	3.8	559	12	14881	568	6	13449	523
15500-16499--	2	2	2	19375	3.7	704	1	16105	672	2	16220	595
16500- OVER	2	2	2	15120	3.5	526	1	16875	605	1	14737	533
NO REPORT---	190	341	737	9657	4.3	411				26	10218	417

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERO SIRE NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
7500 - 8499-	2	2	2	7295	4.5	313	1	7945	326	1	6573	277
8500 - 9499-	3	6	6	10250	4.2	420	2	9050	369	2	8715	370
9500 - 10499-	8	20	21	8833	4.1	366	2	9802	418	2	8478	350
13500-14499-	1	2	2	9305	4.4	411	2	13655	545	1	9554	398
NO REPORT---	10	12	18	7006	4.1	289				1	9429	401
GUERNSEY												
UNDER 6500--	2	11	25	8378	4.7	395	1	5270	291	1	7706	336
6500 - 7499-	1	11	27	7474	5.0	368	4	7223	371	1	7204	344
7500 - 8499-	8	144	308	7792	5.0	389	3	8104	381	6	8643	401
8500 - 9499-	20	288	603	8011	4.9	390	3	8980	421	20	9019	413
9500 - 10499-	10	57	112	8783	4.9	423	3	10071	458	9	9729	460
10500-11499-	3	12	18	7418	5.0	374	2	10969	440	3	10675	431
11500-12499-	2	5	11	8091	4.7	379	2	12040	507	2	9926	438
14500-15499-	1	1	1	12740	4.6	587	1	14820	560	1	13363	495
NO REPORT---	68	157	351	7690	4.9	374				1	10503	510
HOLSTEIN												
6500 - 7499-	1	1	1	7810	3.9	302	1	7110	258	1	12393	452
7500 - 8499-	1	1	1	12770	4.0	515	1	8360	331	1	9396	381
8500 - 9499-	11	25	44	10534	3.8	394	1	9037	336	10	9678	364
9500 - 10499-	18	55	107	10975	3.6	394	1	9842	364	14	10492	389
10500-11499-	30	121	207	11227	3.7	417	3	11020	415	25	11517	436
11500-12499-	66	267	1488	11879	3.7	441	7	12021	448	63	12069	449
12500-13499-	85	3124	4839	13189	3.7	490	21	12962	485	76	12698	478
13500-14499-	56	300	549	13131	3.8	491	3	13959	547	51	13340	512
14500-15499-	29	114	200	13737	3.9	526	2	14998	567	24	13800	519
15500-16499-	13	18	27	14576	3.8	558	1	15872	601	12	14698	554
16500- OVER	3	4	8	15324	3.9	593	1	16658	606	3	15383	573
NO REPORT---	125	210	502	10652	3.6	385				5	13313	514
JERSEY												
UNDER 6500--	1	1	2	6230	4.6	285	1	5455	278	1	7238	359
6500 - 7499-	1	1	3	4683	5.8	283	1	6865	388	1	7456	423
7500 - 8499-	6	96	123	7784	5.1	398	9	8208	415	5	8674	440
8500 - 9499-	5	72	150	7373	5.1	372	3	8924	450	5	8846	454
9500 - 10499-	2	10	16	9292	5.4	498	2	9813	487	1	9216	468
10500-11499-	2	4	6	8935	5.9	525	1	11205	595	2	8949	467
NO REPORT---	27	67	149	7472	5.3	392				1	11543	521
BROWN SWISS												
7500 - 8499-	1	1	1	7950	4.5	357	1	7700	328	1	8753	391
8500 - 9499-	1	1	1	13910	4.2	584	1	8580	396	1	11412	487
9500 - 10499-	2	3	4	9880	4.7	459	2	10365	402	2	9688	392
10500-11499-	7	10	14	10954	4.4	475	1	10785	476	5	11156	471
11500-12499-	1	1	1	12320	3.9	481	1	12030	499	1	11467	491
NO REPORT---	17	23	30	10374	4.1	421				5	11420	462
ALL BREEDS												
UNDER 6500--	3	12	27	7662	4.7	358	1	5332	286	2	7472	348
6500 - 7499-	3	13	31	6722	4.9	318	2	7066	339	3	9018	406
7500 - 8499-	18	244	435	8020	4.9	389	5	8113	381	14	8568	404
8500 - 9499-	40	592	804	8941	4.5	396	2	8984	397	38	9216	405
9500 - 10499-	40	145	260	9860	4.2	404	2	9917	406	28	10000	412
10500-11499-	42	147	245	10801	4.0	429	2	11021	436	35	11246	442
11500-12499-	69	873	1500	11775	3.8	440	7	12022	450	66	11995	449
12500-13499-	85	3124	4839	13189	3.7	490	21	12962	485	76	12698	478
13500-14499-	57	302	551	13063	3.8	490	3	13953	546	52	13307	510
14500-15499-	30	115	201	13704	3.9	526	2	14992	567	25	13783	518
15500-16499-	13	18	27	14576	3.8	558	1	15872	601	12	14698	554
16500- OVER	3	4	8	15324	3.9	593	1	16658	606	3	15383	573
NO REPORT---	247	469	1050	9322	4.2	381				11	12027	490

TABLE 12.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	8	14	8264	4.2	343	1	6270	238	1	5537	228
7500 - 8499-	1	2	2	8345	4.0	335	1	7500	301	1	8873	355
8500 - 9499-	3	10	13	9198	4.2	377	2	8998	361	3	9234	376
9500 -10499-	6	61	92	9289	4.1	383	4	9870	405	6	9935	403
11500-12499-	1	13	20	9110	4.4	399	1	11803	501	1	10857	450
NO REPORT---	8	40	77	8387	4.2	352						
GUERNSEY												
UNDER 6500--	2	24	57	5900	4.7	275	2	6030	278	2	6790	313
6500 - 7499-	3	33	75	6869	5.2	353	2	6664	317	3	7358	350
7500 - 8499-	4	55	136	7852	4.6	361	4	8016	371	4	8332	378
9500 -10499-	2	5	6	8290	4.6	376	3	9868	418	2	8999	395
NO REPORT---	21	47	109	7237	4.8	345						
HOLSTEIN												
UNDER 6500--	2	5	15	10583	3.7	380	1	5950	259	2	9071	344
6500 - 7499-	4	6	12	10246	3.6	363	1	7110	287	3	8597	303
7500 - 8499-	4	5	7	10091	3.6	364	1	8143	329	3	8722	333
8500 - 9499-	9	18	24	9620	3.5	340	1	9175	334	7	10178	369
9500 -10499-	13	91	221	9991	3.6	360	2	10198	366	11	10525	390
10500-11499-	30	481	850	11494	3.7	423	8	10985	403	28	10930	407
11500-12499-	51	314	603	11568	3.7	424	3	11988	435	45	11895	437
12500-13499-	15	28	44	12255	3.7	458	2	13005	472	14	12857	471
13500-14499-	10	21	25	14020	3.7	509	2	13998	500	10	13399	486
NO REPORT---	79	117	270	11062	3.7	407				2	11160	438
JERSEY												
UNDER 6500--	7	67	123	6734	5.1	348	4	5690	269	5	6778	339
6500 - 7499-	9	79	183	6373	5.2	330	3	6962	362	9	7126	366
7500 - 8499-	2	9	21	12173	5.1	561	3	7773	382	1	10791	414
8500 - 9499-	2	4	7	7991	5.3	426	2	8999	447	1	9124	436
10500-11499-	2	3	3	7328	4.8	352	1	10975	518	2	8775	409
12500-13499-	1	1	1	9810	4.7	460	1	12570	611	1	8796	417
NO REPORT---	12	47	110	6483	5.2	334						
BROWN SWISS												
UNDER 6500--	1	2	3	2340	4.9	115	2	5325	228			
NO REPORT---	3	4	5	8072	4.2	338						
ALL BREEDS												
UNDER 6500--	13	106	212	6978	4.7	323	3	5799	274	10	7115	323
6500 - 7499-	16	118	270	7434	4.8	342	2	6943	335	15	7466	350
7500 - 8499-	11	71	166	9500	4.3	396	3	7971	351	9	8795	364
8500 - 9499-	14	32	44	9297	3.9	360	2	9112	356	11	9825	378
9500 -10499-	21	157	319	9628	3.9	368	2	10073	382	19	10178	394
10500-11499-	32	484	853	11233	3.8	418	8	10985	410	30	10787	407
11500-12499-	52	327	623	11521	3.7	424	3	11965	437	46	11872	437
12500-13499-	16	29	45	12102	3.8	458	2	12978	481	15	12586	467
13500-14499-	10	21	25	14020	3.7	509	2	13998	500	10	13399	486
NO REPORT---	123	255	571	9715	4.1	364				2	11160	438

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	FAT LB.	YEARLY HERO AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
UNDER 6500--	2	2	9	5853	3.9	221	1	5914	244	2	5916	228
6500 - 7499--	5	7	9	9182	3.9	356	1	7215	291	4	8099	331
7500 - 8499--	8	21	26	8134	3.9	319	2	7962	314	7	8279	326
8500 - 9499--	14	55	81	8565	4.0	343	4	8976	361	12	8885	354
9500 - 10499--	7	26	53	9488	3.9	369	3	10067	390	7	9100	356
10500-11499--	1	2	2	10815	4.4	478	1	11220	394	1	11183	405
NO REPORT---	10	21	30	7701	4.1	314						
GUERNSEY												
UNDER 6500--	2	3	5	7793	4.6	357	1	6353	290	2	6309	284
6500 - 7499--	7	16	32	6804	4.6	328	2	7095	338	7	7239	342
7500 - 8499--	29	222	458	7564	4.8	357	7	8062	368	26	7663	354
8500 - 9499--	29	120	292	6021	4.7	374	3	8874	397	27	8526	388
9500 - 10499--	3	11	23	7616	4.9	376	3	9584	394	5	9372	392
10500-11499--	3	5	8	8308	5.0	408	1	11303	454	3	9669	398
NO REPORT---	21	24	50	8496	4.6	384						
HOLSTEIN												
UNDER 6500--	2	2	2	7470	3.5	260	1	5600	225	2	6192	241
6500 - 7499--	1	1	3	8047	3.7	293	1	7350	256	1	8214	286
7500 - 8499--	3	6	10	7368	3.7	271	2	8225	318	3	7415	366
8500 - 9499--	15	25	32	10193	3.7	379	2	9021	344	14	9516	363
9500 - 10499--	52	413	803	10323	3.7	373	7	10052	368	46	10329	378
10500-11499--	83	1900	3411	11072	3.7	407	21	10947	403	82	11085	406
11500-12499--	39	226	458	12101	3.6	438	5	12014	436	59	12141	441
12500-13499--	31	453	865	13146	3.6	473	14	12949	468	31	13157	473
13500-14499--	11	228	336	13490	3.7	495	20	13811	515	10	13367	484
14500-15499--	4	27	29	13405	3.7	500	6	14822	555	4	14888	546
15500-16499--	1	2	2	14285	4.1	579	1	16020	619	1	14257	536
16500- OVER	1	1	1	13050	4.3	562	1	16900	566	1	14105	501
NO REPORT---	23	44	73	10375	3.6	373				2	8469	308
JERSEY												
UNDER 6500--	4	16	24	6262	5.0	317	2	5884	284	4	6257	298
6500 - 7499--	18	154	231	7242	5.0	361	6	7121	354	16	7426	366
7500 - 8499--	20	149	267	7338	5.1	373	6	7866	385	20	7591	371
8500 - 9499--	6	40	104	7941	5.2	409	4	8816	425	6	8274	404
10500-11499--	1	1	1	9020	5.7	513	1	11260	552	1	11129	570
NO REPORT---	15	21	29	6966	5.2	355				1	7052	307
BROWN SWISS												
6500 - 7499--	3	5	5	7708	4.2	374	2	7218	296	5	7801	321
7500 - 8499--	5	8	11	9770	4.2	405	1	8036	343	4	8188	356
8500 - 9499--	2	8	15	8311	3.9	318	3	9079	361	2	9073	362
9500 - 10499--	1	1	1	9540	4.1	393	1	9750	390			
NO REPORT---	9	13	21	10510	4.2	457				2	10388	363
ALL BREEDS												
UNDER 6500--	10	23	40	6736	4.4	294	1	5927	265	10	6186	270
6500 - 7499--	34	183	280	7502	4.7	349	4	7145	333	33	7537	350
7500 - 8499--	65	406	772	7721	4.7	357	5	7997	362	62	7828	357
8500 - 9499--	66	248	524	8631	4.4	370	3	8930	379	61	8617	376
9500 - 10499--	63	451	880	10089	3.7	373	7	10027	372	58	10131	376
10500-11499--	88	1908	3422	10952	3.8	409	20	10966	406	87	11036	408
11500-12499--	39	226	458	12101	3.6	438	5	12014	436	39	12141	441
12500-13499--	31	453	865	13146	3.6	473	14	12949	468	31	13157	473
13500-14499--	11	228	336	13490	3.7	495	20	13811	515	10	13367	484
14500-15499--	4	27	29	13405	3.7	500	6	14822	555	4	14888	546
15500-16499--	1	2	2	14285	4.1	579	1	16020	619	1	14257	536
16500- OVER	1	1	1	13050	4.3	562	1	16900	566	1	14105	501
NO REPORT---	78	123	203	8886	4.3	372				5	8953	350

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY DAUS. NO.	CONTEMPORARY MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HLRD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
NO REPORT---	2	3	4	8339	4.5	375						
GUERNSEY												
6500 - 7499-	5	6	10	6191	4.7	288	1	7006	320	2	7399	340
7500 - 8499-	17	154	286	7526	4.6	346	6	7990	360	15	7624	342
8500 - 9499-	7	129	250	8235	4.7	388	5	8881	411	4	8155	357
9500 - 10499-	1	9	18	7194	4.9	351	5	9594	397	1	9317	384
10500-11499-	1	1	2	12035	3.8	456	1	11360	419	1	11576	421
NO REPORT---	10	17	28	7847	4.7	371						
HOLSTEIN												
UNDER 6500--	4	4	5	10096	3.5	400	1	5558	235	2	7647	284
7500 - 8499-	6	6	6	10358	3.6	366	1	8133	323	4	8404	322
8500 - 9499-	5	6	6	9275	3.8	355	1	9114	339	4	8639	328
9500 - 10499-	13	40	46	11531	3.6	412	3	10067	375	12	9836	369
10500-11499-	16	494	808	10820	3.7	393	26	16918	391	14	10698	382
11500-12499-	9	90	176	11427	3.5	406	7	11972	425	7	11434	408
12500-13499-	8	30	34	12559	3.5	431	4	13036	456	5	12669	449
13500-14499-	7	8	11	14970	3.4	509	1	14168	497	2	13969	464
14500-15499-	3	3	7	16748	3.4	556	1	14813	517	3	15027	511
NO REPORT---	15	16	22	10857	3.5	385						
JERSEY												
UNDER 6500--	4	12	18	11861	4.7	528	3	6118	309	4	7804	399
7500 - 8499-	2	14	20	6454	5.3	336	3	8051	364	1	7625	387
9500 - 10499-	1	7	7	8249	5.3	437	7	9677	499	1	8159	429
10500-11499-	1	2	2	8030	5.0	399	2	10345	473	1	8906	411
NO REPORT---	12	27	50	6531	5.2	339				2	8459	364
BROWN SWISS												
8500 - 9499-	4	64	110	11827	4.1	486	5	9291	368	4	9668	384
9500 - 10499-	2	72	217	10709	4.0	425	10	10083	408	2	9714	396
10500-11499-	4	6	6	11087	3.6	469	1	10726	412	4	11429	431
NO REPORT---	2	15	47	10931	4.1	438						
ALL BREEDS												
UNDER 6500--	4	4	5	10096	3.5	400	1	5558	235	2	7647	284
6500 - 7499-	9	18	28	8711	4.7	394	2	6611	315	6	7669	380
7500 - 8499-	25	174	312	8120	4.4	350	5	8030	351	20	7780	340
8500 - 9499-	16	199	366	9458	4.3	402	4	9056	378	12	8827	356
9500 - 10499-	17	128	288	10966	3.8	412	4	10018	387	16	9699	377
10500-11499-	22	503	818	10797	3.7	399	20	10900	400	20	10799	395
11500-12499-	9	90	176	11427	3.5	406	7	11972	425	7	11434	408
12500-13499-	8	30	34	12559	3.5	431	4	13036	456	5	12669	449
13500-14499-	7	8	11	14970	3.4	509	1	14168	497	2	13969	464
14500-15499-	3	3	7	16748	3.4	556	1	14813	517	3	15027	511
NO REPORT---	41	78	151	8737	4.4	370				2	8459	364

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
6500 - 7499--	1	2	2	8285	4.1	338	2	6915	259	1	7401	271
7500 - 8499--	2	5	15	9365	3.9	361	2	8021	316	2	7562	327
8500 - 9499--	3	5	8	8648	3.9	342	2	9267	366	1	9941	385
9500 - 10499--	1	1	3	7617	4.0	305	1	9680	382			
11500-12499--	1	1	3	9673	3.9	382	1	12490	464			
NO REPORT---	3	3	3	7293	3.8	279						
GUERNSEY												
UNDER 6500--	3	9	26	5751	4.7	268	2	5875	253	3	6372	267
6500 - 7499--	2	6	10	5886	4.9	291	1	7163	316	2	7112	291
7500 - 8499--	11	52	94	6755	4.8	322	4	8168	329	11	7974	330
8500 - 9499--	9	50	93	7297	4.6	330	5	9040	375	9	8560	350
9500 - 10499--	11	55	91	7418	4.8	354	4	9954	404	10	9014	361
10500-11499--	1	2	5	7110	5.3	374	1	11043	361	1	8542	309
11500-12499--	2	2	2	5580	4.7	259	1	12240	447	2	10333	393
NO REPORT---	3	4	6	7241	4.9	354						
HOLSTEIN												
UNDER 6500--	1	2	2	11205	3.5	383	2	6460	240	1	9854	354
6500 - 7499--	2	5	5	6525	3.5	230	3	7074	267	2	8644	316
7500 - 8499--	11	34	59	8329	3.8	316	2	8126	299	11	7842	291
8500 - 9499--	17	175	364	10423	3.7	377	9	9103	352	15	8974	351
9500 - 10499--	37	347	552	10888	3.7	405	9	9952	367	30	10054	390
10500-11499--	22	115	175	11505	3.6	416	5	10974	408	19	10845	405
11500-12499--	18	69	92	12489	3.7	455	4	11940	454	10	11593	440
12500-13499--	23	58	80	13401	3.6	484	2	12947	468	19	11680	441
13500-14499--	12	15	43	13919	3.6	497	1	13806	506	12	12917	471
14500-15499--	8	14	20	14946	3.8	561	2	15068	559	0	13680	498
15500-16499--	2	2	3	19878	3.5	715	1	15633	549	2	13331	472
NO REPORT---	21	22	46	11067	3.6	400						
JERSEY												
UNDER 6500--	5	31	50	6086	5.0	303	1	5551	275	4	7854	352
6500 - 7499--	4	41	79	7309	4.9	359	3	6910	341	4	7753	375
7500 - 8499--	22	200	342	7729	5.0	385	5	8080	398	22	8169	401
8500 - 9499--	7	53	75	7792	5.1	392	5	9012	440	7	6433	402
9500 - 10499--	1	2	3	8638	5.5	476	1	9700	448			
NO REPORT---	19	31	54	6849	5.0	342				2	8856	381
BROWN SWISS												
7500 - 8499--	1	1	1	8770	3.8	333	1	8150	325			
8500 - 9499--	1	1	2	6340	4.5	261	1	9340	362			
10500-11499--	2	2	2	12880	3.5	453	1	11310	433	2	12982	517
11500-12499--	2	2	3	8585	5.0	407	1	11905	488			
15500-16499--	1	1	1	11300	4.0	456	1	15930	563			
NO REPORT---	19	35	51	10074	4.1	407						
ALL BREEDS												
UNDER 6500--	9	42	78	6543	4.7	300	2	5760	264	8	7548	320
6500 - 7499--	9	54	96	6927	4.5	313	2	7003	310	9	7769	334
7500 - 8499--	47	292	511	7733	4.6	352	4	8096	354	46	8018	355
8500 - 9499--	37	284	542	8911	4.2	304	6	9090	376	32	8769	363
9500 - 10499--	50	405	649	10014	4.0	393	7	9964	392	40	9828	383
10500-11499--	25	119	182	11439	3.7	418	4	11004	406	22	10935	411
11500-12499--	23	74	100	11427	3.9	430	3	11967	456	10	11453	434
12500-13499--	23	58	80	13401	3.6	484	2	12947	468	19	11680	441
13500-14499--	12	15	43	13919	3.6	497	1	13806	506	12	12917	471
14500-15499--	8	14	20	14946	3.8	561	2	15068	559	0	13680	498
15500-16499--	3	3	4	17018	3.7	629	1	15732	553	2	13331	472
NO REPORT---	65	95	162	9193	4.2	378				2	8856	381

TABLE 12.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.	
							DAUS. NO.	MILK LB.	FAT LB.				
AYRSHIRE													
NO REPORT---	8	9	11	8047	4.0	319							
GULRNSEY													
UNOER 6500--	1	1	2	6315	4.5	279		1	5560	250	1	7063	314
6500 - 7499--	11	15	24	6587	4.6	301		1	6973	312	6	6880	310
7500 - 8499--	23	74	171	7444	4.6	340		3	8054	365	22	7621	346
8500 - 9499--	27	135	303	8286	4.6	374		5	8948	407	24	8372	388
9500 -10499--	8	24	48	9116	4.6	421		3	9757	440	7	9136	423
NO REPORT---	15	21	35	7165	4.4	313							
HOLSTEIN													
UNOER 6500--	1	1	1	6450	3.5	226		1	6330	240			
6500 - 7499--	6	7	17	8836	3.6	317		1	7060	305			
7500 - 8499--	16	32	72	9661	3.6	350		2	8058	354	14	7588	335
8500 - 9499--	17	29	51	10211	3.7	370		2	9042	370	13	8371	352
9500 -10499--	16	32	56	10451	3.6	374		2	9970	363	12	9627	386
10500-11499--	13	23	31	12401	3.6	447		2	10910	408	13	10123	399
11500-12499--	9	14	18	12521	3.7	464		1	12059	443	8	11097	439
12500-13499--	12	28	32	13708	3.6	491		2	12921	479	11	11175	453
NO REPORT---	16	21	48	10312	3.7	376							
JERSEY													
UNOER 6500--	1	2	2	5970	5.1	311		1	5560	195			
6500 - 7499--	6	24	66	6225	5.2	324		2	7096	354	5	6890	333
7500 - 8499--	40	403	889	7588	5.1	386		6	8029	404	37	7843	394
8500 - 9499--	13	66	127	8220	5.1	418		3	8862	439	11	8130	405
9500 -10499--	1	1	1	10860	5.0	546		1	9920	446			
NO REPORT---	26	40	64	7591	5.0	378							
BROWN SWISS													
8500 - 9499--	1	4	5	8160	4.2	338		1	8570	329			
10500-11499--	3	3	3	11587	4.2	484		1	10917	437	3	8785	360
NO REPORT---	11	15	18	10238	4.1	420							
ALL BREEDS													
UNOER 6500--	3	4	5	6245	4.4	272		1	5817	228	1	7063	314
6500 - 7499--	23	46	107	7079	4.5	311		1	7028	321	15	6864	311
7500 - 8499--	79	509	1132	7966	4.7	365		4	8042	382	73	7727	368
8500 - 9499--	58	234	486	8833	4.4	382		3	8950	402	40	8316	382
9500 -10499--	25	57	105	10040	4.0	396		2	9900	404	19	9446	399
10500-11499--	16	26	34	12248	3.8	454		2	10911	414	16	9872	392
11500-12499--	9	14	18	12521	3.7	464		1	12059	443	8	11097	439
12500-13499--	12	28	32	13708	3.6	491		2	12921	479	11	11175	453
NO REPORT---	76	106	176	8511	4.4	365							

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
6500 - 7499--	1	2	2	6305	4.4	273	2	6860	264			
8500 - 9499--	1	2	6	10503	3.8	406	1	9343	357	1	8306	326
NO REPORT---	1	1	1	8120	3.7	304						
GUERNSEY												
UNDER 6500--	1	1	1	4070	4.3	175	1	6410	290	1	6736	305
6500 - 7499--	4	9	19	7018	4.8	335	2	7188	342	2	5543	260
7500 - 8499--	14	94	199	7395	4.9	357	5	7966	361	12	7848	358
8500 - 9499--	9	96	166	7611	4.6	350	8	8981	393	9	8654	366
9500 - 10499--	4	12	23	7819	4.6	354	2	9875	444	4	9326	407
10500-11499--	3	16	30	8668	4.7	403	4	11139	446	3	10855	440
NO REPORT---	6	6	8	6387	4.9	310						
HOLSTEIN												
UNDER 6500--	1	1	3	3733	4.1	151	1	6273	225	1	6306	223
7500 - 8499--	4	5	9	10985	3.6	388	1	8213	327	3	9314	368
8500 - 9499--	12	19	33	10289	3.6	367	1	8925	331	10	9844	365
9500 - 10499--	22	51	101	10347	3.5	364	2	10050	375	18	10173	386
10500-11499--	37	960	2105	11026	3.7	402	23	10978	406	34	10637	391
11500-12499--	38	1006	1621	11673	3.7	423	25	11953	436	34	11153	406
12500-13499--	26	93	159	11894	3.7	432	3	12861	462	24	12046	433
13500-14499--	12	43	83	12844	3.6	459	4	13882	501	9	11760	422
14500-15499--	2	2	3	14603	3.8	551	1	14710	501	1	12197	457
16500- OVER	2	2	2	15960	3.9	615	1	17010	582	2	10595	377
NO REPORT---	11	13	22	10415	3.6	368				1	9854	350
JERSEY												
UNDER 6500--	5	15	25	4916	5.2	258	2	5212	266	5	6437	320
6500 - 7499--	10	267	621	6755	5.2	349	10	7067	362	8	7129	366
7500 - 8499--	16	415	731	7625	5.2	392	14	7909	399	16	7997	404
8500 - 9499--	8	29	45	8283	5.2	425	3	9044	428	7	8727	429
11500-12499--	1	1	1	8920	4.3	384	1	11820	609			
NO REPORT---	13	35	84	6870	5.3	359						
BROWN SWISS												
UNDER 6500--	1	3	3	10033	3.9	393	2	6280	276			
6500 - 7499--	1	1	4	9220	4.3	401	1	6920	293			
7500 - 8499--	2	4	12	8775	4.1	358	2	7671	306	2	7530	303
8500 - 9499--	3	10	14	7537	4.3	315	2	8893	376	3	8425	341
9500 - 10499--	6	45	84	8852	4.2	376	5	9988	397	5	9953	396
10500-11499--	5	16	28	10316	4.0	401	2	10872	426	5	11009	435
11500-12499--	4	12	20	11114	4.0	443	2	11940	478	4	11232	450
12500-13499--	1	1	1	13650	3.8	515	1	13340	528	1	11859	462
NO REPORT---	4	4	6	9864	4.3	416						
ALL BREEDS												
UNDER 6500--	8	20	32	5302	4.8	251	2	5628	265	7	6461	304
6500 - 7499--	16	279	646	6946	5.0	344	7	7075	347	10	6812	345
7500 - 8499--	36	518	951	7973	4.8	376	8	7951	371	33	8034	378
8500 - 9499--	33	156	264	8829	4.3	373	4	8979	376	30	9033	376
9500 - 10499--	32	108	208	9751	3.8	365	3	10037	388	27	10007	391
10500-11499--	45	992	2163	10790	3.8	402	20	10977	411	42	10697	400
11500-12499--	43	1019	1642	11557	3.7	424	22	11949	444	36	11161	411
12500-13499--	27	94	160	11959	3.7	435	3	12878	464	25	12039	434
13500-14499--	12	43	83	12844	3.6	459	4	13882	501	9	11760	422
14500-15499--	2	2	3	14603	3.8	551	1	14710	501	1	12197	457
16500- OVER	2	2	2	15960	3.9	615	1	17010	582	2	10595	377
NO REPORT---	35	59	121	8279	4.5	359				1	9854	350

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							DAUS. NO.	MILK LB.	AV. FAT LB.	SIRES NO.	MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
NO REPORT---	2	2	3	7738	4.2	322						
GUERNSEY												
6500 - 7499-	2	8	14	7250	4.8	342	1	7070	356			
7500 - 8499-	1	5	5	9680	4.9	470	3	8097	379			
8500 - 9499-	7	16	24	8598	4.8	415	1	9150	437	3	8429	387
9500 -10499-	1	1	2	10850	4.4	476	1	10000	461	1	9766	493
NO REPORT---	26	71	129	6967	4.8	330						
HOLSTEIN												
NO REPORT---	84	283	525	10943	3.7	400						
JERSEY												
UNDER 6500--	3	12	19	5478	5.1	276	1	5237	251	1	7096	351
6500 - 7499-	5	30	59	7321	5.1	372	2	7064	351	3	7423	372
7500 - 8499-	17	93	184	7476	5.3	394	2	8107	421	7	7843	389
8500 - 9499-	9	54	103	8096	5.4	431	2	8995	461	5	7626	400
10500-11499-	1	1	1	10110	4.0	404	1	10600	505	1	10584	519
NO REPORT---	58	431	998	6614	5.1	340						
BROWN SWISS												
NO REPORT---	4	4	6	10068	4.2	419						
ALL BREEDS												
UNDER 6500--	3	12	19	5478	5.1	276	1	5237	251	1	7096	351
6500 - 7499-	7	38	73	7301	5.0	363	1	7066	347	3	7423	372
7500 - 8499-	18	98	189	7599	5.3	398	2	8106	419	7	7843	389
8500 - 9499-	16	70	127	8316	5.1	424	2	9062	450	8	7927	396
9500 - 10499-	1	1	2	10850	4.4	476	1	10000	461	1	9766	493
10500-11499-	1	1	1	10110	4.0	404	1	10600	505	1	10584	519
NO REPORT---	174	791	1661	8849	4.3	369						

TABLE 12.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	REGGROS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HELD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
6500 - 7499--	2	3	3	9418	3.8	357	2	7328	277	2	7968	302
7500 - 8499--	1	1	1	8490	3.8	323	1	7860	304	1	7979	302
NO REPORT---	2	2	5	6140	4.3	260						
GUERNSEY												
UNDER 6500--	3	8	16	5751	4.9	260	1	5683	269	2	5472	259
6500 - 7499--	1	1	1	7460	4.0	299	1	7070	285	1	6295	317
9500 - 10499--	2	5	14	8436	5.3	435	2	9979	434	1	10529	483
NO REPORT---	20	32	85	7486	4.6	347						
HOLSTEIN												
UNDER 6500--	4	8	11	9221	3.5	324	1	5247	210	2	6791	278
6500 - 7499--	4	5	7	9638	3.7	354	1	7336	290	2	8240	318
7500 - 8499--	8	14	17	9895	3.6	355	2	7921	319	7	8181	335
8500 - 9499--	11	16	21	9692	3.7	350	1	9007	341	7	9257	352
9500 - 10499--	7	13	19	11429	3.4	391	1	10189	385	5	10093	379
10500-11499--	6	12	21	11984	3.3	399	2	10861	370	4	9778	373
11500-12499--	2	4	4	11759	3.4	396	2	11999	386	2	10697	374
12500-13499--	3	3	3	11853	3.7	437	1	12690	461	3	13312	493
15500-16499--	1	1	1	13830	3.9	540	1	16130	571	1	12546	471
NO REPORT---	29	31	48	10028	3.4	336				1	12317	446
JERSEY												
UNDER 6500--	4	6	8	4918	4.8	234	1	5259	251	3	6838	334
6500 - 7499--	9	50	82	6429	5.1	324	2	7203	359	5	7370	347
7500 - 8499--	6	24	35	7403	4.8	359	3	8000	379	5	8075	375
8500 - 9499--	5	13	17	7848	4.9	383	2	9050	421	3	8903	391
9500 - 10499--	1	5	7	9844	4.9	476	2	9565	436	1	10453	436
10500-11499--	1	5	15	6980	5.2	361	1	10690	523			
NO REPORT---	32	84	173	6880	5.0	334				2	9549	425
BROWN SWISS												
NO REPORT---	7	7	8	8152	4.0	318				2	8055	309
ALL BREEDS												
UNDER 6500--	11	22	35	6710	4.3	281	1	5370	241	7	6434	296
6500 - 7499--	16	59	93	7669	4.5	334	2	7243	327	10	7756	329
7500 - 8499--	15	39	53	8805	4.1	355	2	7949	342	13	8124	348
8500 - 9499--	16	29	38	9116	4.1	361	2	9020	366	10	9151	364
9500 - 10499--	10	23	40	10672	4.0	408	2	10085	400	7	10207	402
10500-11499--	7	17	36	11269	3.6	393	1	10836	392	4	9778	373
11500-12499--	2	4	4	11759	3.4	396	2	11999	386	2	10697	374
12500-13499--	3	3	3	11853	3.7	437	1	12690	461	3	13312	493
15500-16499--	1	1	1	13830	3.9	540	1	16130	571	1	12546	471
NO REPORT---	90	156	319	8111	4.3	334				5	9505	383

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	1	2390	3.6	86						
6500 - 7499--	2	2	2	9695	3.9	375	1	4580	154			
NO REPORT---	3	5	7	8659	4.3	365	1	7230	313	2	7935	341
GUERNSEY												
UNDER 6500--	1	2	3	7145	4.4	316						
6500 - 7499--	19	30	62	6678	4.8	318	2	6400	291	1	5701	259
7500 - 8499--	11	24	52	7763	4.6	355	1	7172	335	16	6711	304
8500 - 9499--	4	7	12	8727	4.4	377	2	7888	360	7	7580	345
9500 -10499--	3	5	8	7302	4.6	337	2	6820	417	1	6655	385
10500-11499--	2	2	4	9724	4.8	459	1	9810	454	2	9077	431
NO REPORT---	14	18	29	6678	4.7	313	1	10703	474	1	8399	396
HOLSTEIN												
UNDER 6500--	2	2	4	8564	3.5	286						
6500 - 7499--	5	5	9	8559	3.9	329	1	5924	260	1	7281	313
7500 - 8499--	4	4	6	9043	3.7	333	1	7113	315	4	6840	294
8500 - 9499--	1	2	8	11622	3.5	399	1	7843	335	2	7592	331
9500 -10499--	4	9	9	11207	3.3	366	2	8539	330	1	9096	351
10500-11499--	7	15	27	10854	3.5	377	2	9806	342	4	8328	310
11500-12499--	8	19	35	10643	3.7	390	2	10903	392	3	10972	402
12500-13499--	2	2	2	11085	3.9	421	2	11978	434	6	10303	403
13500-14499--	1	1	2	15110	3.6	537	1	13000	477			
14500-15499--	1	1	1	13620	3.8	511	1	13885	471	1	13048	468
							1	14790	613	1	11042	439
JERSEY												
UNDER 6500--	18	93	178	6035	5.3	314						
6500 - 7499--	27	168	334	6611	5.2	340	2	5872	297	12	6133	305
7500 - 8499--	10	50	66	7908	5.1	402	3	7088	359	21	6662	332
8500 - 9499--	4	10	18	7449	5.1	372	4	7969	406	10	7213	366
9500 -10499--	2	4	4	7245	5.2	370	2	9059	427	3	8672	429
NO REPORT---	15	45	72	6433	5.1	323	1	10195	444	2	8317	387
BROWN SWISS												
NO REPORT---	5	6	14	10451	4.0	418						
ALL BREEDS												
UNDER 6500--	22	98	186	6150	5.0	302						
6500 - 7499--	53	205	407	6935	4.9	332	2	5842	287	14	6184	302
7500 - 8499--	25	78	124	8026	4.6	370	2	7126	344	43	6756	318
8500 - 9499--	9	19	38	8481	4.6	377	3	7921	374	19	7388	354
9500 -10499--	9	18	21	9025	4.1	357	2	6886	412	5	8753	405
10500-11499--	9	17	31	10603	3.8	395	2	9894	402	8	8512	359
11500-12499--	8	19	35	10643	3.7	390	2	10859	410	4	10329	400
12500-13499--	2	2	2	11085	3.9	421	2	11978	434	6	10803	403
13500-14499--	1	1	2	15110	3.6	537	1	13000	477			
14500-15499--	1	1	1	13620	3.8	511	1	13885	471	1	13048	468
NO REPORT---	37	74	122	7249	4.7	335	1	14790	613	1	11042	439

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
8500 - 9499-	1	1	1	6730	4.2	281	1	9350	376			
GUERNSEY												
7500 - 8499-	4	8	14	7500	4.7	349	2	8218	365	1	5984	374
8500 - 9499-	1	1	1	11940	3.8	457	1	8930	396			
9500 - 10499-	1	2	3	8815	4.5	328	1	10080	462			
NO REPORT---	19	33	45	7720	4.6	358				1	8077	395
HOLSTEIN												
UNDER 6500--	5	6	7	4928	3.3	150	1	4632	190			
6500 - 7499-	1	1	1	9130	4.1	377	1	6610	259			
8500 - 9499-	2	2	2	8655	3.9	334	1	9105	341	1	9058	306
9500 - 10499-	3	3	4	12997	3.6	460	1	10135	365			
10500-11499-	7	17	24	11198	3.6	399	2	10935	388	3	9332	383
11500-12499-	3	4	6	15094	3.5	522	1	12231	442	2	11260	413
12500-13499-	2	3	4	12589	3.6	448	2	13229	474	1	12470	448
NO REPORT---	3	3	4	14297	3.6	514						
JERSEY												
UNDER 6500--	2	6	13	7619	5.0	379	2	6226	330			
6500 - 7499-	11	34	60	6684	5.3	354	2	7178	378	3	6936	374
8500 - 9499-	1	1	1	8250	5.5	455	1	8750	427			
NO REPORT---	14	31	73	6509	5.3	344						
BROWN SWISS												
NO REPORT---	4	7	14	9575	4.3	402						
M. SHORTHORN												
UNDER 6500--	2	2	2	6445	3.8	239	1	6090	271			
6500 - 7499-	1	6	6	6273	3.8	236	6	6940	285	1	9538	375
7500 - 8499-	1	2	2	7095	3.4	235	2	7795	294	1	9439	376
8500 - 9499-	1	2	2	8470	3.8	318	1	9000	345	1	9538	375
ALL BREEDS												
UNDER 6500--	9	14	22	5863	3.8	220	1	5311	239			
6500 - 7499-	13	41	67	6241	5.1	346	2	7116	361	4	7587	375
7500 - 8499-	5	10	16	7419	4.4	326	2	8133	351	2	6712	375
8500 - 9499-	6	7	7	8783	4.2	363	1	9067	371	2	9298	341
9500 - 10499-	4	5	7	11951	3.8	442	1	10121	389			
10500-11499-	7	17	24	11198	3.6	399	2	10935	388	3	9332	383
11500-12499-	3	4	6	15094	3.5	522	1	12231	442	2	11260	413
12500-13499-	2	3	4	12589	3.6	448	2	13229	474	1	12470	448
NO REPORT---	40	74	136	7975	4.7	369				1	8077	395

TABLE 12.--DAUGHTER-AVERAGE OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE SIRES NO.	MILK LB.	FAT LB.
GUERNSEY												
UNDER 6500--	2	3	6	5638	4.7	263	1	6345	293	2	6189	299
6500 - 7499-	16	47	113	6858	4.5	310	2	6887	323	13	6342	296
7500 - 8499-	4	20	65	7072	4.9	345	3	7848	373	4	6462	310
8500 - 9499-	1	3	7	7587	4.5	340	1	8850	410	1	7391	350
NO REPORT---	5	6	13	5208	4.7	250						
HOLSTEIN												
6500 - 7499-	2	4	10	9058	3.5	314	2	6823	307	2	6848	309
7500 - 8499-	4	15	31	9333	3.6	333	3	8066	322	4	8138	328
8500 - 9499-	13	45	110	9732	3.5	340	3	9129	334	12	8675	320
9500 -10499-	2	2	2	9595	3.5	331	1	10140	376	1	10573	382
11500-12499-	5	6	6	12076	3.8	457	1	11990	441	3	12302	435
12500-13499-	1	1	2	15210	3.5	530	1	13160	476	1	11876	414
13500-14499-	2	2	2	13400	3.8	511	1	14340	518	2	10595	350
NO REPORT---	11	11	20	11539	3.8	438						
JERSEY												
UNDER 6500--	7	29	56	5039	5.2	260	1	5931	298	5	5189	256
6500 - 7499-	8	55	106	6497	5.1	333	4	6952	351	4	6832	348
7500 - 8499-	11	38	56	6660	5.3	353	3	7834	397	6	6472	324
8500 - 9499-	1	2	2	6180	4.6	280	1	8710	450	1	6573	349
NO REPORT---	16	43	78	6626	5.2	342						
BROWN SWISS												
NO REPORT---	5	7	18	8949	4.1	360						
ALL BREEDS												
UNDER 6500--	9	32	62	5172	5.1	260	1	6023	297	7	5475	268
6500 - 7499-	26	106	229	6916	4.6	317	3	6902	331	19	6499	309
7500 - 8499-	19	73	152	7310	4.8	347	3	7886	376	14	6945	321
8500 - 9499-	15	50	119	9352	3.7	336	5	9083	346	14	8433	324
9500 -10499-	2	2	2	9595	3.5	331	1	10140	376	1	10573	382
11500-12499-	5	6	6	12076	3.8	457	1	11990	441	3	12302	435
12500-13499-	1	1	2	15210	3.5	530	1	13160	476	1	11876	414
13500-14499-	2	2	2	13400	3.8	511	1	14340	518	2	10595	350
NO REPORT---	37	67	129	8209	4.5	361						

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
7500 - 8499-	3	3	5	7290	4.4	319	1	8200	329	3	8826	352
8500 - 9499-	1	2	5	7927	4.3	342	2	8550	346	1	8266	331
9500 -10499-	3	4	5	7758	4.3	333	1	9817	399	2	9484	382
10500-11499-	1	1	1	10250	4.3	436	1	10950	419	1	8262	325
NO REPORT---	10	22	27	9695	4.2	404						
GUERNSEY												
6500 - 7499-	4	10	25	7688	4.5	338	2	7157	347	2	7496	362
7500 - 8499-	1	1	2	8575	6.5	559	1	7740	383	1	10322	484
8500 - 9499-	2	5	8	8286	4.9	406	2	8944	454			
9500 -10499-	2	3	9	7151	4.5	315	1	9988	454	2	8187	367
NO REPORT---	8	12	16	7728	4.9	381						
HOLSTEIN												
7500 - 8499-	3	6	7	11759	4.1	474	2	8268	329	3	8878	345
8500 - 9499-	5	5	7	13747	3.9	541	1	9023	405	5	9546	433
9500 -10499-	6	9	18	12472	3.8	467	2	9964	403	4	9876	406
10500-11499-	8	8	14	10490	3.9	460	1	11047	404	8	10730	388
11500-12499-	8	29	48	12571	3.7	463	3	12067	429	7	12202	432
12500-13499-	4	21	40	12784	3.4	436	5	13064	461	4	11140	402
13500-14499-	7	70	114	13084	3.7	470	9	14057	490	7	11743	426
14500-15499-	4	13	20	15649	3.6	551	3	14785	525	4	14869	538
15500-16499-	7	21	34	15301	3.7	571	2	15967	552	6	17397	601
16500- OVER	1	2	2	15280	3.6	548	2	16785	543	1	12116	461
NO REPORT---	9	9	11	11276	3.7	420						
JERSEY												
UNDER 6500--	12	3	3	6040	5.2	304	1	5075	265	1	7619	382
	15	10	20	5002	5.4	272	1	6361	346	4	6547	335
7500 - 8499-	6	20	37	7711	5.2	397	2	7812	411	4	7817	402
8500 - 9499-	1	1	1	8780	4.8	421	1	9230	470			
NO REPORT---	20	34	49	7361	5.0	366						
BROWN SWISS												
6500 - 7499-	1	1	1	8130	3.9	313	1	7400	298	1	10769	436
8500 - 9499-	1	1	1	12360	3.7	458	1	8770	367	1	8589	349
9500 -10499-	2	2	2	10665	4.0	423	1	9770	394			
12500-13499-	1	1	2	13965	4.4	603	1	12535	513	1	11380	493
NO REPORT---	10	12	16	8566	4.2	356				1	9365	361
M. SHORTHORN												
UNDER 6500--	2	6	11	6464	4.1	258	2	5770	218	2	4949	191
NO REPORT---	1	1	1	8040	4.0	325						
ALL BREEDS												
UNDER 6500--	4	9	14	6252	4.6	281	2	5423	241	3	5839	255
6500 - 7499-	10	21	46	6389	4.9	303	1	6783	341	7	7421	357
7500 - 8499-	13	30	51	8614	4.9	409	1	8001	371	11	8609	380
8500 - 9499-	10	14	22	11437	4.2	474	1	6955	411	7	9227	406
9500 -10499-	13	18	34	10288	4.0	406	1	9904	408	8	9356	391
10500-11499-	9	9	15	10463	3.9	404	1	11036	406	9	10456	381
11500-12499-	8	29	48	12571	3.7	463	3	12067	429	7	12202	432
12500-13499-	5	22	42	13020	3.6	469	4	12958	471	5	11188	420
13500-14499-	7	70	114	13084	3.7	470	9	14057	490	7	11743	426
14500-15499-	4	13	20	15649	3.6	551	3	14785	525	4	14869	538
15500-16499-	7	21	34	15301	3.7	571	2	15967	552	6	17397	601
16500- OVER	1	2	2	15280	3.6	548	2	16785	543	1	12116	461
NO REPORT---	58	90	120	8641	4.5	381				1	9385	361

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 6500--	1	1	1	13740	4.2	583	1	5640	209	1	10083	425
NO REPORT---	4	4	8	8719		335						
GUERNSEY												
6500 - 7499--	1	1	5	7236	4.9	355	1	7450	347	1	6949	318
7500 - 8499--	4	4	8	8171	4.7	378	1	8002	369	2	8273	392
8500 - 9499--	5	41	97	8143	4.7	377	5	9071	405	4	8270	360
9500 - 10499--	5	53	115	7048	4.8	334	7	9729	416	4	8239	359
10500-11499--	1	2	2	6905	4.3	300	1	10880	442			
11500-12499--	1	1	1	9360	5.0	465	1	12150	538	1	11630	511
NO REPORT---	6	6	13	9029	4.8	423						
HOLSTEIN												
6500 - 7499--	3	3	4	9468	3.6	339	1	6870	262	3	8476	323
7500 - 8499--	2	2	3	9540	3.7	349	1	8235	319	2	8742	351
8500 - 9499--	5	8	11	10731	3.6	392	1	9254	356	2	10222	388
9500 - 10499--	10	75	187	11702	3.7	424	6	10160	383	8	9890	384
10500-11499--	26	176	360	12244	3.6	438	6	11091	411	23	10250	392
11500-12499--	30	95	168	12640	3.6	454	3	12035	435	20	10751	401
12500-13499--	45	154	229	13017	3.7	472	3	13025	467	45	11906	438
13500-14499--	22	53	78	13981	3.7	508	2	13892	504	16	11717	424
14500-15499--	8	20	29	14105	3.6	502	2	14827	532	6	11865	435
15500-16499--	3	3	3	15777	3.6	577	1	15780	584	2	13118	468
16500- OVER	3	3	3	15143	3.6	544	1	18110	597	2	13173	448
NO REPORT---	25	26	35	10722	3.5	377				2	9102	356
JERSEY												
UNDER 6500--	6	16	23	6909	5.0	345	2	6007	301	4	7525	376
6500 - 7499--	19	48	62	7111	5.0	354	2	7019	346	8	7246	350
7500 - 8499--	19	217	443	7480	5.1	380	6	7943	400	14	7443	357
8500 - 9499--	12	139	315	8013	5.2	413	4	8899	442	8	8293	399
9500 - 10499--	5	6	12	8678	5.4	464	1	9776	517			
10500-11499--	1	1	2	8245	5.9	488	1	11055	467	1	9919	421
NO REPORT---	24	58	137	7230	5.1	371				2	7309	320
BROWN SWISS												
UNDER 6500--	4	6	6	5530	3.6	195	2	5299	198	2	6044	224
6500 - 7499--	3	3	3	5390	3.7	184	1	2657	101			
7500 - 8499--	2	2	3	11043	3.9	428	1	9593	357	1	11750	465
8500 - 9499--	4	7	7	12198	3.9	465	1	11218	436	3	9508	378
9500 - 10499--	13	17	17	11249	4.0	448	1	11878	467	11	8214	325
NO REPORT---	7	7	8	8004	4.0	316						
M. SHORTHORN												
NO REPORT---	2	2	2	8280	4.6	377						
ALL BREEDS												
UNDER 6500--	11	23	30	6956	4.4	312	2	5716	255	7	7467	339
6500 - 7499--	26	55	74	7189	4.7	333	2	6515	308	12	7529	340
7500 - 8499--	25	223	454	7755	4.9	377	5	7976	388	18	7680	360
8500 - 9499--	22	188	423	8660	4.7	400	4	9019	414	14	8562	386
9500 - 10499--	22	136	317	9897	4.3	413	4	9923	419	13	9525	382
10500-11499--	32	186	371	11947	3.7	437	5	11099	416	27	10156	391
11500-12499--	44	113	186	12154	3.8	453	2	11991	447	32	9907	378
12500-13499--	45	154	229	13017	3.7	472	3	13025	467	45	11906	438
13500-14499--	22	53	78	13981	3.7	508	2	13892	504	16	11717	424
14500-15499--	8	20	29	14105	3.6	502	2	14827	532	6	11865	435
15500-16499--	3	3	3	15777	3.6	577	1	15780	584	2	13118	468
16500- OVER	3	3	3	15143	3.6	544	1	18110	597	2	13173	448
NO REPORT---	68	103	203	8871	4.3	370				4	8205	338

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	365-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERO SIRES NO.	MILK LB.	AVERAGE FAT LB.
GUERNSEY												
6500 - 7499-	2	7	19	6193	5.0	304	3	6894	325	1	7270	358
7500 - 8499-	5	14	46	6611	4.8	309	3	3057	371	2	3560	394
8500 - 9499-	2	2	9	8043	5.1	412	1	9359	483	1	9439	489
9500 - 10499-	1	1	4	6858	6.3	427	1	10480	539	1	9739	493
11500-12499-	1	2	3	6995	5.6	368	2	11543	503	1	7270	358
13500-14499-	1	1	1	8560	4.3	365	1	13520	470	1	13680	464
NO REPORT---	1	1	1	11080	4.4	488						
HOLSTEIN												
9500 - 10499-	1	1	1	11420	3.1	358	1	9980	343	1	10202	341
10500-11499-	1	1	1	10930	3.9	422	1	11270	395	1	13538	456
11500-12499-	10	65	118	12825	3.5	451	6	12250	445	7	12290	437
12500-13499-	21	287	638	12554	3.6	449	13	13004	466	15	12476	435
13500-14499-	7	24	35	12661	3.6	452	3	13964	478	5	13094	466
14500-15499-	4	12	12	14285	3.5	500	3	15192	518	3	14631	502
NO REPORT---	3	3	3	10650	3.6	379						
JERSEY												
6500 - 7499-	4	10	11	8487	5.2	441	1	7008	397	2	7685	423
7500 - 8499-	6	43	132	7650	5.7	428	5	8075	430	6	8009	430
NO REPORT---	2	4	4	7475	5.4	406						
BROWN SWISS												
7500 - 8499-	1	1	1	12590	4.3	536	1	7890	319			
8500 - 9499-	1	2	2	11025	4.1	451	2	8950	400			
9500 - 10499-	5	10	18	10076	4.3	438	2	10144	415	2	10707	427
10500-11499-	1	2	4	8175	4.0	350	2	11165	441	1	10322	410
11500-12499-	2	3	4	13370	4.0	542	1	11575	460			
NO REPORT---	4	4	5	10734	4.6	474						
ALL BREEDS												
6500 - 7499-	6	17	30	7722	5.1	395	2	6970	373	3	7547	401
7500 - 8499-	12	58	179	7629	5.2	387	4	8052	400	8	8147	421
8500 - 9499-	3	4	11	9037	4.8	425	1	9222	455	1	9439	489
9500 - 10499-	7	12	23	9808	4.4	425	2	10168	423	4	10339	422
10500-11499-	2	3	5	9853	4.0	386	2	11218	418	2	11930	433
11500-12499-	13	70	125	12491	3.8	460	5	12092	452	8	11662	427
12500-13499-	21	287	638	12554	3.6	449	13	13004	466	15	12476	433
13500-14499-	8	25	36	12148	3.7	441	3	13909	477	6	13191	466
14500-15499-	4	12	12	14285	3.5	500	3	15192	518	3	14631	502
NO REPORT---	10	12	13	10092	4.4	433						

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
8500 - 9499--	1	1	1	5760	3.5	200	1	8630	331	1	7358	290
NO REPORT---	1	1	1	11590	3.6	422						
GUERNSEY												
UNDER 6500--	2	2	5	5235	5.0	295	1	6101	291	2	6762	316
6500 - 7499--	1	1	2	13545	4.8	637	1	7490	274			
7500 - 8499--	7	23	44	7609	4.8	366	3	8171	401	7	8060	308
8500 - 9499--	24	137	321	8716	4.7	407	5	8978	429	22	8595	407
9500 - 10499--	9	18	42	8913	4.9	439	2	9937	463	8	9622	453
10500-11499--	4	4	5	10181	4.5	462	1	11275	569	4	9761	453
11500-12499--	1	1	1	11420	5.2	599	1	11700	571	1	10573	494
12500-13499--	3	5	7	8236	4.8	390	1	12920	549	3	10399	443
NO REPORT---	7	8	14	9335	4.8	449						
HOLSTEIN												
6500 - 7499--	1	1	1	14050	3.4	474	1	7300	289	1	9069	328
7500 - 8499--	1	2	3	8883	4.0	354	2	7810	299	1	9069	328
8500 - 9499--	3	3	3	10700	3.9	410	1	9167	345	2	10502	382
10500-11499--	7	32	47	10380	3.8	386	4	11171	427	6	10558	404
11500-12499--	19	126	223	12440	3.6	443	6	12011	439	10	11312	414
12500-13499--	26	360	589	12955	3.7	467	12	13014	469	23	12380	448
13500-14499--	33	438	669	13729	3.7	506	12	14016	515	33	13325	487
14500-15499--	17	171	266	13835	3.6	500	9	14812	532	15	13848	502
15500-16499--	3	3	6	13241	3.6	469	1	15917	581	3	12918	476
16500- OVER	3	4	4	16188	3.4	545	1	16933	597	3	15840	554
NO REPORT---	9	26	55	13579	3.6	485						
JERSEY												
UNDER 6500--	2	5	5	5180	5.2	271	2	6279	360	2	6848	359
6500 - 7499--	9	25	38	7088	5.4	379	2	7066	376	9	7495	394
7500 - 8499--	23	129	243	7997	5.4	429	5	8127	436	20	8147	426
8500 - 9499--	15	109	221	8697	5.4	464	6	8820	467	15	8829	468
9500 - 10499--	1	1	3	9183	4.6	415	1	10267	530			
NO REPORT---	7	12	21	7121	5.2	367				1	8644	440
BROWN SWISS												
8500 - 9499--	4	6	16	9073	4.3	391	2	9295	388	4	9991	432
9500-10499--	5	7	12	9128	4.1	368	1	9948	417	5	10106	426
10500-11499--	4	9	14	11528	4.2	475	2	10812	461	4	10212	433
11500-12499--	3	5	9	11406	4.1	465	1	11867	506	2	11064	451
NO REPORT---	7	7	17	10275	4.4	454						
M. SHORTHORN												
8500 - 9499--	2	4	6	7746	3.8	295	1	8970	339	2	8105	296
ALL BREEDS												
UNDER 6500--	4	7	10	5558	5.1	283	2	6190	325	4	6805	337
6500 - 7499--	11	27	41	0308	5.2	411	2	7133	350	10	7653	388
7500 - 8499--	31	154	290	7938	5.2	412	4	8127	424	26	8158	413
8500 - 9499--	49	260	568	8761	4.8	415	5	8959	426	46	8827	420
9500 - 10499--	15	26	57	9002	4.6	414	2	9962	453	13	9808	442
10500-11499--	15	45	66	10633	4.1	430	3	11103	479	14	10731	426
11500-12499--	23	132	233	12261	3.7	453	5	11979	453	21	11253	422
12500-13499--	29	365	596	12467	3.8	459	11	13004	477	26	12151	448
13500-14499--	33	438	669	13729	3.7	506	12	14016	515	33	13325	487
14500-15499--	17	171	266	13835	3.6	500	9	14012	532	15	13848	502
15500-16499--	3	3	6	13241	3.6	469	1	15917	581	3	12918	476
16500- OVER	3	4	4	16188	3.4	545	1	16933	597	3	15840	554
NO REPORT---	31	54	108	10352	4.4	441				1	8644	440

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
NO REPORT---	1	1	1	7620	3.8	292						
GUERNSEY												
15500-16499-	1	2	3	8115	4.4	349	1	16045	604	1	12660	453
NO REPORT---	1	1	1	11300	3.7	413						
HOLSTEIN												
9500 -10499-	2	2	3	11015	3.5	379	1	10093	357	1	10628	363
10500-11499-	3	6	10	10199	3.3	339	2	10983	386	2	10636	370
11500-12499-	7	57	119	11396	3.5	396	8	11968	415	6	10622	369
12500-13499-	8	56	91	12540	3.5	430	7	12829	441	6	11251	395
13500-14499-	5	15	19	14838	3.5	519	3	13937	472			
16500- OVER	1	1	1	14220	3.6	514	1	18410	620			
NO REPORT---	2	2	3	13435	3.8	502						
JERSEY												
UNDER 6500--	1	1	1	5430	5.2	282	1	6260	290	1	6747	331
7500 - 8499-	1	2	5	6869	4.7	323	1	7600	426	1	7592	354
BROWN SWISS												
6500 - 7499-	1	1	3	6300	4.3	270	1	6950	271	1	6431	265
12500-13499-	1	1	5	12090	3.9	474	1	12944	543			
ALL BREEDS												
UNDER 6500--	1	1	1	5430	5.2	282	1	6260	290	1	6747	331
6500 - 7499-	1	1	3	6300	4.3	270	1	6950	271	1	6431	265
7500 - 8499-	1	2	5	6869	4.7	323	1	7600	426	1	7592	354
9500 -10499-	2	2	3	11015	3.5	379	1	10093	357	1	10628	363
10500-11499-	3	6	10	10199	3.3	339	2	10983	386	2	10636	370
11500-12499-	7	57	119	11396	3.5	396	8	11968	415	6	10622	369
12500-13499-	9	57	96	12490	3.5	435	6	12842	452	6	11251	395
13500-14499-	5	15	19	14838	3.5	519	3	13937	472			
15500-16499-	1	2	3	8115	4.4	349	1	16045	604	1	12660	453
16500- OVER	1	1	1	14220	3.6	514	1	18410	620			
NO REPORT---	4	4	5	11448	3.8	427						

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY PERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
6500 - 7499--	1	1	1	9360	4.4	410	1	6960	298			
NO REPORT---	8	9	15	10267	4.1	421						
GULDNSEY												
6500 - 7499--	1	1	1	7170	5.2	376	1	7130	336			
7500 - 8499--	3	27	56	7785	4.9	379	3	8135	408	2	8516	428
8500 - 9499--	6	47	89	7005	4.9	340	3	8895	421	6	8967	421
9500 - 10499--	1	3	4	10872	4.7	565	1	9850	487	1	8262	405
10500-11499--	1	1	1	9220	4.6	424	1	10910	454	1	9418	441
11500-12499--	1	1	2	12130	4.4	537	1	11530	550			
12500-13499--	2	10	26	8429	4.8	395	4	12836	513	1	11005	453
13500-14499--	1	1	1	11320	4.7	529	1	13590	597			
NO REPORT---	7	12	18	8706	4.8	418						
HOLSTEIN												
9500 - 10499--	1	1	1	9380	3.9	362	1	9990	361	1	10442	377
10500-11499--	9	26	40	10946	3.7	408	3	10924	410	9	10506	387
11500-12499--	15	55	84	13256	3.7	487	3	12163	441	11	11763	438
12500-13499--	19	119	244	12838	3.7	470	5	12977	482	13	12233	451
13500-14499--	15	59	102	13901	3.6	486	3	13952	501	11	12875	469
14500-15499--	8	24	38	15884	3.4	538	3	15034	528	3	14559	502
15500-16499--	2	3	3	13808	3.7	505	2	15820	524	1	12252	453
16500- OVER	3	3	3	17237	3.6	622	1	16707	601	3	13821	528
NO REPORT---	19	29	43	12218	3.6	433				2	14089	462
JERSEY												
UNDER 6500--	2	2	3	6835	5.0	340	1	6150	312	1	13821	521
6500 - 7499--	11	31	78	7386	5.3	391	1	7082	358	6	9188	422
7500 - 8499--	6	11	16	7908	5.3	420	2	8022	417	6	8202	426
8500 - 9499--	2	2	3	9820	5.4	522	1	8990	475	1	10649	532
15500-16499--	1	4	10	11709	4.5	526	1	15580	692	1	11085	532
NO REPORT---	5	8	16	9193	5.3	470				1	10693	519
BROWN SWISS												
7500 - 8499--	1	2	3	9445	3.7	344	1	7830	312			
8500 - 9499--	3	4	5	10377	4.3	445	1	9127	387			
9500 - 10499--	7	26	40	11252	4.2	475	3	10181	422	2	10540	418
10500-11499--	4	4	7	10251	4.1	419	1	10998	447	2	9898	416
11500-12499--	4	15	15	11093	4.5	488	2	11967	486	2	11963	474
12500-13499--	2	5	5	13267	4.3	566	2	12945	519	1	12748	499
13500-14499--	1	3	5	13398	4.0	531	3	14288	550	1	9974	402
NO REPORT---	11	25	40	11501	4.0	455						
M. SHORIHORN												
10500-11499--	1	1	1	4620	3.8	174	1	10960	423			
ALL BREEDS												
UNDER 6500--	2	2	3	6835	5.0	340	1	6150	312	1	13821	521
6500 - 7499--	13	33	80	7521	5.2	391	1	7076	352	8	9188	422
7500 - 8499--	10	40	75	8025	5.0	400	2	8037	404	8	8281	426
8500 - 9499--	11	53	97	8436	4.8	402	2	8975	421	9	9503	433
9500 - 10499--	9	30	45	11001	4.2	465	2	10121	422	8	9809	406
10500-11499--	15	32	49	10224	3.9	376	2	10945	424	12	10314	396
11500-12499--	20	71	101	12767	3.9	490	3	12092	456	15	11794	444
12500-13499--	23	134	275	12492	3.8	472	4	12962	488	15	12185	454
13500-14499--	17	63	108	13719	3.7	493	3	13950	510	12	12633	464
14500-15499--	8	24	38	15884	3.4	536	3	15034	528	3	14559	502
15500-16499--	3	7	13	13108	4.0	512	1	15740	580	2	11669	493
16500- OVER	3	3	3	17237	3.6	622	1	16707	601	3	13821	528
NO REPORT---	50	83	132	10954	4.1	437				3	12957	481

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
GUERNSEY												
7500 - 8499-	4	4	13	10499	4.9	508	1	8396	413	3	8774	416
8500 - 9499-	6	7	25	9011	5.0	457	1	8964	432	6	9223	441
9500 - 10499-	5	9	16	9040	4.9	443	2	10066	469	4	10151	472
10500-11499-	2	3	7	9606	5.2	433	1	10773	491	2	9811	465
NO REPORT---	10	10	22	8659	4.6	402						
HOLSTEIN												
10500-11499-	1	1	1	9110	3.6	333	1	10590	399			
12500-13499-	3	4	7	12898	3.5	445	1	12674	460	2	10906	387
13500-14499-	1	1	1	12680	4.0	504	1	13670	501			
NO REPORT---	5	5	7	14227	3.7	534						
JERSEY												
6500 - 7499-	4	7	8	8282	5.2	431	1	6870	334	3	7347	352
7500 - 8499-	2	15	44	6833	5.4	365	2	7715	409			
9500 - 10499-	2	2	3	10325	4.9	492	1	10355	549			
NO REPORT---	2	3	3	7493	4.8	358						
BROWN SWISS												
NO REPORT---	2	2	2	10760	4.3	456						
ALL BREEDS												
6500 - 7499-	4	7	8	8282	5.2	431	1	6870	334	3	7347	352
7500 - 8499-	6	19	57	9277	5.0	460	1	8169	412	3	8774	416
8500 - 9499-	6	7	25	9011	5.0	457	1	8964	432	6	9223	441
9500 - 10499-	7	11	19	9407	4.9	457	1	10149	492	4	10151	472
10500-11499-	3	4	8	9441	4.6	440	1	10712	460	2	9811	465
12500-13499-	3	4	7	12898	3.5	445	1	12674	460	2	10906	387
13500-14499-	1	1	1	12680	4.0	504	1	13670	501			
NO REPORT---	19	20	34	10223	4.4	438						

TABLE 12.--DAUGHTER-AVERAGE OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DALS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HAIRD MILK LB.	AVERAGE FAT LB.
GUERNSEY												
9500 -10499-	2	5	7	10108	4.7	473	2	10212	492	2	9434	460
10500-11499-	2	2	4	13145	4.6	603	1	10723	510	2	9592	454
12500-13499-	2	12	22	9921	4.9	474	4	12672	634	1	9069	448
NO REPORT---	3	7	19	9574	4.6	439						
HOLSTEIN												
9500 -10499-	1	1	1	9630	4.1	394	1	9660	392	1	11216	449
10500-11499-	1	1	1	14920	3.3	491	1	11310	410			
11500-12499-	18	30	44	11574	3.6	412	1	12065	422	18	12736	448
12500-13499-	12	106	224	13295	3.6	468	8	13024	461	12	12962	464
13500-14499-	12	45	110	13717	3.5	479	3	14024	488	11	12837	462
14500-15499-	12	71	137	13881	3.5	479	5	14852	518	10	13181	480
15500-16499-	3	3	5	14670	3.9	558	1	15913	573	3	14232	511
16500- OVER	4	6	8	15472	3.6	556	1	18085	649	3	14089	505
NO REPORT---	14	30	49	12860	3.6	457						
JERSEY												
6500 - 7499-	1	2	2	9965	5.3	530	2	7480	353	1	9690	501
8500 - 9499-	6	12	22	7832	5.3	411	2	8839	452	5	8651	439
NO REPORT---	3	31	94	7181	5.1	363						
BROWN SWISS												
12500-13499-	3	3	5	14830	3.8	555	1	13170	518			
13500-14499-	1	1	1	10790	3.8	413	1	13820	542			
NO REPORT---	1	1	1	14290	3.9	562						
ALL BREEDS												
6500 - 7499-	1	2	2	9965	5.3	530	2	7480	353	1	9690	501
8500 - 9499-	6	12	22	7832	5.3	411	2	8839	452	5	8651	439
9500 -10499-	3	6	8	9949	4.5	446	1	10028	458	3	10028	456
10500-11499-	3	3	5	13737	4.2	566	1	10918	477	2	9592	454
11500-12499-	18	30	44	11574	3.6	412	1	12065	422	18	12736	448
12500-13499-	17	121	251	13169	3.7	484	6	13008	491	13	12662	462
13500-14499-	13	46	111	13492	3.5	474	3	14009	492	11	12837	462
14500-15499-	12	71	137	13881	3.5	479	5	14852	518	10	13181	480
15500-16499-	3	3	5	14670	3.9	558	1	15913	573	3	14232	511
16500- OVER	4	6	8	15472	3.6	556	1	18085	649	3	14089	505
NO REPORT---	21	69	163	11647	3.9	446						

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERG MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
9500-10499-	2	3	3	9053	4.1	374	2	9840	382			
GUERNSEY												
6500-7499-	1	1	2	8880	5.1	450	1	7430	366			
7500-8499-	2	4	9	7570	5.0	367	2	8069	379	1	8840	397
8500-9499-	7	27	61	7993	5.0	399	3	9081	417	4	8825	399
9500-10499-	3	31	79	8094	4.5	359	10	9993	406	2	9297	391
10500-11499-	1	2	2	8095	4.6	371	1	11000	436	1	12350	485
11500-12499-	1	1	1	8600	4.4	380	1	12240	441			
NO REPORT---	2	2	3	8280	4.5	364						
HOLSTEIN												
8500-9499-	2	3	4	10285	3.6	363	2	9368	337			
9500-10499-	7	9	15	11937	3.5	415	1	9972	372	4	10832	409
10500-11499-	8	45	87	9405	3.9	363	5	11029	418	6	11399	428
11500-12499-	21	216	417	11813	3.7	432	10	12048	437	8	11922	435
12500-13499-	36	1498	2799	13371	3.6	482	40	13002	474	20	12654	462
13500-14499-	26	335	450	13608	3.6	487	12	13847	500	6	13572	488
14500-15499-	8	17	28	13821	3.7	504	2	14921	543	1	11979	422
15500-16499-	4	4	5	15601	3.8	587	1	15866	581			
16500- OVER	1	1	1	17220	3.3	573	1	18090	616			
JERSEY												
UNDER 6500--	1	1	3	7693	5.7	443	1	6455	347			
6500-7499-	4	7	14	6098	5.1	309	2	7162	355			
7500-8499-	21	266	502	7797	5.2	403	9	8044	415	9	8094	411
8500-9499-	3	6	8	8330	5.5	451	2	9028	480			
9500-10499-	1	1	1	10240	5.7	587	1	9990	495			
NO REPORT---	3	12	17	7871	5.4	424						
BROWN SWISS												
11500-12499-	1	2	5	10647	4.3	461	2	11546	458	1	9919	400
13500-14499-	1	1	2	9420	3.6	341	1	14020	538			
NO REPORT---	2	2	4	10654	4.2	444						
M. SHORTHORN												
NO REPORT---	1	1	1	9930	3.9	383						
ALL BREEDS												
UNDER 6500--	1	1	3	7693	5.7	443	1	6455	347			
6500-7499-	5	8	16	6654	5.1	337	2	7215	357			
7500-8499-	23	270	511	7777	5.2	400	8	8046	412	10	8168	409
8500-9499-	12	36	73	8459	4.9	406	2	9116	419	4	8825	399
9500-10499-	13	44	98	10476	4.0	400	3	9958	391	6	10320	403
10500-11499-	9	47	89	9260	4.0	363	4	11025	420	7	11535	436
11500-12499-	23	219	423	11623	3.7	431	9	12035	439	9	11699	431
12500-13499-	36	1498	2799	13371	3.6	402	40	13002	474	20	12654	462
13500-14499-	27	336	452	13453	3.6	481	12	13853	501	6	13572	488
14500-15499-	8	17	28	13821	3.7	504	2	14921	543	1	11979	422
15500-16499-	4	4	5	15601	3.8	587	1	15866	581			
16500- OVER	1	1	1	17220	3.3	573	1	18090	616			
NO REPORT---	8	17	25	8926	4.7	409						

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERC MILK LB.	AVERAGE FAT LB.
GUERNSEY												
NO REPORT---	2	2	2	6075	5.1	312						
HOLSTEIN												
12500-13499-	3	4	6	15428	3.4	519	1	12997	454			
13500-14499-	3	4	5	15060	3.5	528	1	14085	484			
14500-15499-	1	1	4	12248	3.6	434	1	15075	505			
NO REPORT---	1	1	1	8220	3.8	316						
JERSEY												
6500 - 7499-	1	1	1	8080	4.6	376	1	6560	301			
7500 - 8499-	2	2	2	6250	5.0	331	1	7955	395			
8500 - 9499-	1	2	3	9335	5.2	487	2	8878	480	1	9298	501
9500 - 10499-	3	4	5	8862	5.9	520	1	9940	546	2	10301	559
10500-11499-	2	2	2	10470	5.0	518	1	10880	580	2	9908	573
NO REPORT---	1	1	1	7440	4.8	355						
ALL BREEDS												
6500 - 7499-	1	1	1	8080	4.6	376	1	6560	301			
7500 - 8499-	2	2	2	6250	5.0	331	1	7955	395			
8500 - 9499-	1	2	3	9335	5.2	487	2	8878	480	1	9298	501
9500 - 10499-	3	4	5	8862	5.9	520	1	9940	546	2	10301	559
10500-11499-	2	2	2	10470	5.0	518	1	10880	580	2	9908	573
12500-13499-	3	4	6	15428	3.4	519	1	12997	454			
13500-14499-	3	4	5	15060	3.5	528	1	14085	484			
14500-15499-	1	1	4	12248	3.6	434	1	15075	505			
NO REPORT---	4	4	4	6953	4.7	324						

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
7500 - 8499-	2	3	3	8478	4.1	345	2	8205	331	2	8851	364
8500 - 9499-	4	4	4	8900	3.9	347	1	8960	369	4	8966	366
9500 - 10499-	2	3	4	8273	4.1	334	2	10355	414	2	10647	424
10500-11499-	1	1	1	8810	4.6	407	1	10810	481	1	11391	488
GUERNSEY												
6500 - 7499-	3	3	3	6477	4.3	294	1	7190	335	2	8159	382
7500 - 8499-	11	36	107	8358	4.8	397	3	8153	386	9	8351	399
8500 - 9499-	39	742	1810	8725	4.9	425	16	9084	430	35	9307	448
9500 - 10499-	32	486	982	8994	5.0	445	14	9872	456	31	9754	462
10500-11499-	7	16	35	9000	4.9	442	2	10903	522	6	10857	514
11500-12499-	5	10	20	10346	4.6	477	2	11746	535	5	9687	468
NO REPORT---	16	54	90	9594	4.9	471				2	9598	438
HOLSTEIN												
8500 - 9499-	3	3	9	11911	3.5	416	1	9321	364	2	10889	413
9500 - 10499-	2	3	6	11035	3.7	396	2	9940	379	2	9726	362
10500-11499-	6	6	9	11228	3.8	426	1	10712	426	2	12356	461
11500-12499-	22	1345	2669	12172	3.6	440	57	12104	459	18	12408	464
12500-13499-	46	1901	3499	13383	3.6	484	39	12977	481	41	13014	481
13500-14499-	41	538	897	13626	3.7	502	12	13982	512	41	13671	505
14500-15499-	28	111	221	13789	3.8	515	3	14995	542	25	14428	523
15500-16499-	6	6	10	13717	3.7	500	1	15958	562	6	16208	576
16500- OVER	4	4	4	16858	3.7	619	1	17623	690	2	15920	657
NO REPORT---	8	22	27	12630	3.7	471				1	14519	574
JERSEY												
UNDER 6500--	3	6	18	5820	5.6	328	2	6198	339	2	6510	339
6500 - 7499-	5	37	83	7721	5.6	426	5	7151	380	5	7595	404
7500 - 8499-	26	486	1258	8326	5.5	453	11	8121	433	25	8519	457
8500 - 9499-	37	856	1686	8734	5.5	478	17	8936	478	36	9000	483
9500 - 10499-	12	49	92	9869	5.4	531	3	9916	530	12	10161	533
10500-11499-	2	2	5	8413	6.1	509	1	10910	580	2	10672	564
NO REPORT---	14	19	31	8363	5.3	437				1	7706	425
BROWN SWISS												
10500-11499-	9	20	33	11708	4.2	487	2	11068	454	9	11577	461
11500-12499-	5	16	28	11336	4.1	474	3	11800	474	4	11765	472
12500-13499-	2	4	6	12150	3.9	472	2	12864	503	1	12479	499
13500-14499-	1	1	2	14390	4.5	646	1	13840	549			
NO REPORT---	3	4	5	9416	4.3	406						
M. SHORTHORN												
8500 - 9499-	4	10	12	9164	3.8	345	2	8994	342	4	9450	367
9500 - 10499-	1	6	16	9252	4.0	368	2	10033	391	1	10110	399
NO REPORT---	5	5	7	10929	4.1	447						
ALL BREEDS												
UNDER 6500--	3	6	18	5820	5.6	328	2	6198	339	2	6510	339
6500 - 7499-	8	40	86	7254	5.1	376	3	7165	363	7	7756	398
7500 - 8499-	39	525	1368	8343	5.2	431	8	8134	415	36	8495	438
8500 - 9499-	87	1615	3521	8867	5.0	440	15	9020	441	81	9200	455
9500 - 10499-	49	547	1100	9268	5.0	458	10	9909	468	48	9899	472
10500-11499-	25	45	83	10455	4.5	458	2	10913	478	20	11339	489
11500-12499-	32	1371	2717	11756	3.9	451	40	12001	473	27	11809	466
12500-13499-	48	1905	3505	13331	3.7	484	37	12972	482	42	13001	482
13500-14499-	42	539	899	13644	3.7	505	12	13978	513	41	13671	505
14500-15499-	28	111	221	13789	3.8	515	3	14995	542	25	14428	523
15500-16499-	6	6	10	13717	3.7	500	1	15958	562	6	16208	576
16500- OVER	4	4	4	16858	3.7	619	1	17623	690	2	15920	657
NO REPORT---	46	104	160	9916	4.7	454				4	10355	469

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
10500-11499-	2	2	2	11545	4.3	488	1	11010	412			
11500-12499-	2	2	2	10520	4.2	435	1	12320	477	1	12132	465
GUERNSEY												
7500 - 8499-	5	15	44	8208	4.8	393	2	8188	401	3	8617	429
8500 - 9499-	25	456	1054	8427	4.8	404	16	9110	430	23	9165	434
9500 - 10499-	22	287	542	8971	4.8	428	12	9909	458	20	9886	462
10500-11499-	8	35	52	9170	4.8	438	4	10805	464	7	10399	481
11500-12499-	1	1	1	6720	4.6	311	1	11620	457	1	10813	467
NO REPORT---	9	13	17	8540	5.2	444						
HOLSTEIN												
6500 - 7499-	1	1	1	12360	3.3	409	1	7160	424	1	8295	439
7500 - 8499-	1	1	1	15320	3.6	550	1	7700	309	1	11140	438
9500 - 10499-	7	18	35	9792	3.7	366	2	10124	393	5	10864	415
10500-11499-	21	717	1519	11874	3.7	437	33	11141	437	20	10798	431
11500-12499-	22	524	790	12765	3.7	465	22	12055	466	21	11589	455
12500-13499-	26	224	306	13511	3.7	486	8	13031	486	24	12550	472
13500-14499-	10	59	89	14553	3.7	534	6	14055	502	9	13891	499
14500-15499-	8	19	21	13717	3.6	496	2	14918	534	6	13888	507
15500-16499-	4	9	15	16038	3.7	588	2	15836	566	4	15212	550
16500- OVER	2	4	4	15717	4.3	670	2	16805	596	1	15391	528
NO REPORT---	9	17	25	13907	3.5	486				2	14776	532
JERSEY												
6500 - 7499-	1	1	2	6225	5.0	311	1	6945	361	1	7211	397
7500 - 8499-	14	164	464	8547	5.5	467	5	8141	439	13	8141	430
8500 - 9499-	31	1481	3067	8426	5.4	452	30	8899	475	29	8990	475
9500 - 10499-	14	136	219	9537	5.4	518	7	9726	520	14	9905	515
NO REPORT---	9	19	41	8201	5.2	422						
BROWN SWISS												
9500 - 10499-	2	3	3	11095	4.3	471	1	9955	438	2	11045	459
10500-11499-	7	35	46	10326	4.4	456	4	10971	443	6	10444	451
11500-12499-	1	4	6	11419	4.4	501	3	12308	543	1	10283	449
13500-14499-	1	1	1	9730	3.9	383	1	13890	549	1	8448	361
14500-15499-	1	1	1	8170	4.4	356	1	14570	576	1	10170	425
NO REPORT---	4	5	10	12108	4.4	527				2	3143	365
M. SHORTHORN												
NO REPORT---	2	3	3	11800	3.6	419						
ALL BREEDS												
6500 - 7499-	2	2	3	9293	4.2	366	1	7053	403	2	7753	418
7500 - 8499-	20	180	509	8801	5.2	452	4	8131	423	17	8402	430
8500 - 9499-	56	1937	4121	8426	5.1	431	24	8993	455	52	9076	457
9500 - 10499-	45	444	799	9369	4.8	448	8	9886	466	41	10068	474
10500-11499-	38	789	1619	11002	4.1	444	20	11032	442	33	10649	445
11500-12499-	26	531	799	12308	3.8	458	19	12068	469	24	11525	456
12500-13499-	26	224	306	13311	3.7	486	8	13031	486	24	12550	472
13500-14499-	11	60	90	14115	3.7	520	5	14040	506	10	13346	485
14500-15499-	9	20	22	13101	3.7	480	2	14880	539	7	13357	495
15500-16499-	4	9	15	16038	3.7	588	2	15836	566	4	15212	550
16500- OVER	2	4	4	15717	4.3	670	2	16805	596	1	15391	528
NO REPORT---	33	57	96	10541	4.5	456				4	11459	448

TABLE 12.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRE NO.	MILK LB.	FAT LB.
AYKSHIRE												
NO REPORT---	4	5	7	9864	3.9	390						
GUERNSEY												
6500 - 7499-	1	1	1	9460	4.3	406	1	7040	412			
7500 - 8499-	8	40	57	8319	4.9	405	3	8308	400			
8500 - 9499-	8	38	60	8825	4.9	427	4	8918	431			
9500 - 10499-	5	15	22	8800	4.9	424	1	9950	469			
10500-11499-	2	42	80	9676	5.0	479	3	10926	494			
11500-12499-	1	1	1	7070	5.7	402	1	12270	585			
13500-14499-	1	2	6	8477	5.3	448	1	13738	535			
NO REPORT---	46	183	285	8331	4.9	407						
HOLSTEIN												
8500 - 9499-	1	7	8	11646	4.0	456	1	9370	496			
10500-11499-	3	146	331	12544	4.0	498	17	10994	425			
11500-12499-	4	8	18	15985	3.8	618	2	12079	462			
12500-13499-	12	90	154	12717	3.7	462	7	13088	480			
13500-14499-	16	157	254	13582	3.7	499	7	14083	517			
14500-15499-	18	150	206	15072	3.7	544	8	15064	549			
15500-16499-	16	121	162	15316	3.6	549	6	15988	584			
16500- OVER	15	108	129	17496	3.5	612	2	17146	611			
NO REPORT---	29	456	507	14240	3.6	517						
JERSEY												
UNDER 6500--	2	3	3	5388	5.2	275	1	4435	213			
6500 - 7499-	1	1	1	8930	4.6	408	1	1770	81			
7500 - 8499-	2	4	4	6797	5.4	365	2	8842	464			
8500 - 9499-	2	2	2	9325	5.6	517	1	10210	523			
9500 - 10499-	4	14	20	11454	5.7	645	3	11045	599			
10500-11499-	21	136	202	8760	5.3	463						
NO REPORT---												
BROWN SWISS												
14500-15499-	1	1	6	10272	4.4	457	1	14683	602			
NO REPORT---	11	23	36	10968	4.4	475						
ALL BREEDS												
UNDER 6500--	2	3	3	5388	5.2	275	1	4435	213			
6500 - 7499-	1	1	1	9460	4.3	406	1	7040	412			
7500 - 8499-	9	41	58	8387	4.9	405	3	7581	365			
8500 - 9499-	11	49	72	8712	4.9	418	4	8945	443			
9500 - 10499-	7	17	24	8950	5.1	451	1	10024	485			
10500-11499-	9	202	431	11422	5.0	559	8	11001	517			
11500-12499-	5	9	19	14202	4.2	575	2	12117	486			
12500-13499-	12	90	154	12717	3.7	462	7	13088	480			
13500-14499-	17	159	260	13282	3.8	496	7	14063	518			
14500-15499-	19	151	212	14819	3.7	539	8	15044	552			
15500-16499-	16	121	162	15316	3.6	549	6	15988	584			
16500- OVER	15	108	129	17498	3.5	612	2	17146	611			
NO REPORT---	111	803	1037	10272	4.6	452						

TABLE 12.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERO AVERAGE		
							DAUS. NO.	MILK LB.	FAT LB.		SIREs NO.	MILK LB.	FAT LB.
HOLSTEIN													
7500 - 8499-	1	2	2	6355	3.7	235							
NO REPORT---	1	1	1	7770	3.2	247	2	7785	262				
ALL BREEDS													
7500 - 8499-	1	2	2	6355	3.7	235							
NO REPORT---	1	1	1	7770	3.2	247	2	7785	262				

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERO AVERAGE		
							DAUS.	MILK	FAT		SIRES	MILK	FAT
							NO.	LB.			NO.	LB.	LB.
GUERNSEY													
NO REPORT---	1	1	1	6470	5.1	329							
HOLSTEIN													
10500-11499-	4	5	6	10785	3.5	378	1	11008	363		4	10442	342
11500-12499-	1	1	2	11310	3.4	384	1	11625	374		1	11249	357
ALL BREEDS													
10500-11499-	4	5	6	10785	3.5	378	1	11008	363		4	10442	342
11500-12499-	1	1	2	11310	3.4	384	1	11625	374		1	11249	357
NO REPORT---	1	1	1	6470	5.1	329							

TABLE 12.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION OF CONTEMPORARIES, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION OF CONTEMP.	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
							DAUS. NO.	MILK LB.	AV. FAT LB.			
HOLSTEIN												
11500-12499-	2	5	16	14137	3.8	528	3	12125	470			
12500-13499-	1	5	12	12426	3.5	444	4	13049	500			
RED DANF												
NO REPORT---	1	1	2	8495	4.4	368						
ALL BREEDS												
11500-12499-	2	5	16	14137	3.8	528	3	12125	470			
12500-13499-	1	5	12	12426	3.5	444	4	13049	500			
NO REPORT---	1	1	2	8495	4.4	368						

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES	CONTEMPORARY DAUS.	MILK LB.	AV. FAT LB.	YEARLY SIRES	HERD MILK	AVERAGE FAT
							NO.	NO.			NO.	LB.	LB.
AYRSHIRE													
UNDER 275----	5	18	27	5175	3.2	204	5	3	7525	306	5	8487	339
275 - 324----	5	14	26	7311	4.0	292	3	2	8356	346	3	8155	342
325 - 374----	15	125	227	8353	4.2	349	14	8	9013	372	14	9381	367
375 - 424----	8	110	181	9124	4.3	387	6	13	9456	388	5	8871	364
425 - 474----	3	15	22	10632	4.2	443	3	5	9010	368	3	9280	381
GUERNSEY													
UNDER 275----	2	2	2	2925	4.7	137	1	1	7970	327	2	9058	383
275 - 324----	10	112	237	6482	4.7	302	6	5	8256	387	4	8500	391
325 - 374----	39	1222	2745	7349	4.8	352	33	21	8643	398	32	8604	400
375 - 424----	22	941	1937	7861	5.1	395	19	41	8968	418	19	8891	417
425 - 474----	7	38	64	9209	4.9	444	7	5	9583	435	7	9565	436
475 - 524----	1	8	18	10026	5.1	517	1	1	6628	320	1	7514	353
625 - OVER--	2	2	2	13655	5.0	667	1	1	13890	667	1	9374	448
HOLSTEIN													
UNDER 275----	1	1	1	6560	3.1	206							
275 - 324----	5	9	24	8478	3.6	307	4	1	10918	412	3	11645	446
325 - 374----	15	241	584	9654	3.6	350	12	5	10487	395	12	10518	400
375 - 424----	41	1985	4885	10768	3.7	399	39	36	11512	437	36	11258	435
425 - 474----	58	4594	7609	12130	3.7	452	52	76	11938	462	51	11678	449
475 - 524----	21	355	488	13041	3.8	493	16	17	12283	473	17	12012	467
525 - 574----	14	21	71	14354	3.9	551	12	2	14434	537	9	13366	515
575 - 624----	5	7	8	16087	3.8	598	5	1	13903	540	5	14234	555
625 - OVER--	1	1	1	18640	3.3	625							
JERSEY													
UNDER 275----	3	4	5	3158	4.9	146	1	1	4310	282	1	8240	462
275 - 324----	5	10	25	5894	5.2	304	2	2	7312	356	2	7805	385
325 - 374----	23	627	1535	6798	5.3	356	15	9	7584	391	16	8039	410
375 - 424----	26	778	1562	7658	5.2	397	24	13	7792	407	24	8104	419
425 - 474----	13	524	968	8403	5.3	444	9	28	8636	433	8	8604	441
475 - 524----	3	5	8	9853	5.3	514	1	1	6090	451	1	9675	508
BROWN SWISS													
375 - 424----	2	11	21	9250	4.2	397							
425 - 474----	3	4	4	11265	4.1	458							
475 - 524----	3	3	5	11710	4.2	493							
525 - 574----	1	1	1	9800	5.5	543							
575 - 624----	1	1	1	13410	4.3	578							
M. SPORTHORN													
UNDER 275----	1	1	1	3460	4.5	155	1	1	7850	307	1	7031	277
275 - 324----	4	23	31	7877	3.8	296	2	7	8871	360	3	9539	366
325 - 374----	2	13	26	8891	3.9	339	2	1	10315	405	2	9271	354
ALL BREEDS													
UNDER 275----	12	26	36	4268	4.0	175	6	2	7201	366	7	8407	360
275 - 324----	27	168	343	7060	4.4	301	17	3	8461	379	15	9122	386
325 - 374----	94	2226	5117	7775	4.6	352	76	13	8837	391	76	8948	398
375 - 424----	99	3625	8606	9142	4.5	397	88	27	9808	421	86	9716	423
425 - 474----	84	4975	8667	11226	4.1	450	71	60	11163	451	69	11003	444
475 - 524----	28	351	519	12449	4.1	496	20	16	11791	465	19	11663	464
525 - 574----	15	22	72	14050	4.0	550	12	2	14434	537	9	13366	515
575 - 624----	6	8	9	15641	3.9	595	5	1	13903	540	5	14234	555
625 - OVER--	3	3	3	15517	4.4	666	1	1	13890	667	1	9374	448

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	105-DAY CONTEMPORARY SIREs NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 275----	2	4	4	6007	4.3	257							
275 - 324----	5	33	61	7644	4.0	305							
325 - 374----	18	231	576	8668	4.1	355	4	4	9525	597	4	9005	382
375 - 424----	19	387	736	9347	4.2	373	15	22	9636	393	15	9673	394
425 - 474----	4	7	16	11160	4.1	449	4	2	10368	425	4	10179	415
475 - 524----	1	1	1	10850	4.4	475	1	1	7690	523	1	8088	337
525 - 574----	1	1	6	13213	4.2	554	1	1	9282	402	1	10046	419
GUERNSEY													
UNDER 275----	5	6	10	5882	4.3	254	3	1	7855	345	3	7360	327
275 - 324----	8	8	17	6329	4.8	304	4	1	9738	586	3	9525	379
325 - 374----	26	204	424	7465	4.7	352	22	5	8966	403	22	8921	397
375 - 424----	26	358	758	8255	4.8	395	20	13	9313	411	20	8956	391
425 - 474----	6	10	23	9147	4.9	444	3	2	9318	597	3	9563	404
475 - 524----	2	2	4	10412	4.9	496	1	1	11590	434			
HOLSTEIN													
275 - 324----	6	6	8	8951	3.6	314	5	1	11228	422	5	10743	403
325 - 374----	16	53	120	9838	3.7	358	12	2	11534	422	12	11714	436
375 - 424----	23	542	1277	11139	3.6	402	17	21	11615	429	15	11455	429
425 - 474----	44	2648	4573	12004	3.8	452	38	61	12027	461	37	11735	450
475 - 524----	23	194	232	12988	3.9	499	21	9	12610	486	20	11894	475
525 - 574----	12	20	33	13700	4.0	547	12	2	12446	486	9	12252	486
575 - 624----	4	6	12	15826	3.8	599	3	2	12667	471	3	12639	468
625 - OVER----	4	4	4	17340	3.9	677	3	1	13460	518	2	10606	412
JERSEY													
UNDER 275----	3	5	5	4692	5.2	244	2	2	6685	355	2	7648	399
275 - 324----	2	4	5	6099	5.0	303	1	1	5790	302	1	6813	356
325 - 374----	5	12	15	6802	5.3	360	4	2	8281	409	4	7747	399
375 - 424----	29	380	902	7626	5.3	399	27	6	8042	414	27	8093	417
425 - 474----	10	156	281	8331	5.4	446	7	10	8427	447	9	9079	457
475 - 524----	6	28	46	9516	5.3	494	5	3	9218	485	5	9149	461
525 - 574----	2	4	11	11314	5.0	556	2	2	10472	520	2	10058	502
BROWN SWISS													
UNDER 275----	2	2	2	5345	3.7	199							
275 - 324----	3	7	9	7466	4.1	302	2	2	8909	365	2	9024	370
325 - 374----	5	21	30	8712	4.1	352	5	3	8931	363	5	9141	369
375 - 424----	3	6	17	9607	4.2	403	2	1	8813	359	2	9137	371
425 - 474----	5	12	26	10843	4.1	448	4	2	10802	447	5	10373	413
475 - 524----	1	1	1	13990	3.7	523					1	12415	468
M. SHORTHORN													
UNDER 275----	2	4	6	7274	3.7	265	1	2	10133	369	2	9752	368
275 - 324----	2	2	2	8015	3.7	291	2	1	13460	526	2	9691	363
325 - 374----	1	2	5	8089	4.1	342	1	1	17100	617	1	10606	397
ALL BREEDS													
UNDER 275----	14	21	27	5767	4.3	246	6	2	7645	352	7	8125	359
275 - 324----	26	60	102	7426	4.2	305	18	2	10207	407	17	9527	382
325 - 374----	71	523	1170	8355	4.3	354	61	5	9644	402	61	9450	394
375 - 424----	100	1673	3690	8984	4.5	398	81	14	9420	411	79	9276	407
425 - 474----	69	2833	4919	11090	4.2	450	56	43	11226	452	56	10975	443
475 - 524----	33	226	284	12166	4.2	498	28	7	11792	478	27	11264	467
525 - 574----	15	25	50	13350	4.2	549	15	2	11972	485	12	11703	483
575 - 624----	4	6	12	15826	3.8	599	3	2	12667	471	3	12639	468
625 - OVER----	4	4	4	17340	3.9	677	3	1	13460	518	2	10606	412

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNCLR 275----	7	10	22	6284	3.8	242	1	1	7270	261	1	6998	271
275 - 324----	12	50	103	7539	4.1	306	5	1	8817	356	5	9181	362
325 - 374----	33	436	864	8550	4.2	353	22	5	9321	376	22	9311	375
375 - 424----	26	487	759	9747	4.1	401	22	12	9801	391	21	10027	403
425 - 474----	5	20	41	11041	4.1	447	4	4	11101	456	3	10781	441
475 - 524----	2	2	2	11910	4.2	499	1	1	11910	462	1	10508	422
525 - 574----	1	1	2	12725	4.2	529	1	1	11690	461	1	11925	467
GUERNSEY													
UNCLER 275----	9	17	28	4621	4.4	214	5	1	7306	314	4	8107	351
275 - 324----	22	91	144	6677	4.7	312	7	3	8725	374	6	9167	392
325 - 374----	48	476	985	7664	4.7	352	28	4	8395	379	26	8994	408
375 - 424----	39	302	613	8391	4.8	396	23	3	9327	414	22	9523	412
425 - 474----	11	24	58	9063	5.0	454	6	2	8323	386	5	9363	431
475 - 524----	5	5	8	10389	4.8	500	2	1	8865	412	2	7015	415
525 - 574----	1	1	1	11550	4.8	553							
575 - 624----	1	1	1	14250	4.2	604							
HOLSTEIN													
UNCLER 275----	4	4	5	6615	3.5	233	2	1	8920	341	2	9783	371
275 - 324----	18	30	56	8564	3.5	302	6	2	9504	354	5	9408	344
325 - 374----	42	282	579	9718	3.6	351	15	2	10784	408	16	11585	431
375 - 424----	102	2500	4399	10864	3.7	401	73	6	12063	445	74	12034	444
425 - 474----	102	2402	3878	12085	3.7	447	77	15	12295	463	74	12349	462
475 - 524----	46	585	755	13202	3.8	493	40	12	12560	473	40	12714	476
525 - 574----	24	84	112	14525	3.8	547	15	4	13264	504	16	13524	510
575 - 624----	9	17	21	15105	4.0	597	8	2	14620	550	7	14464	558
625 - OVER----	4	8	8	17180	4.2	706	4	2	13516	542	4	12122	501
JERSEY													
UNCLER 275----	6	12	19	4723	5.2	247	1	1	7460	426	1	7041	387
275 - 324----	12	29	48	6007	5.0	303	5	2	7637	363	5	7946	393
325 - 374----	39	502	1004	6842	5.2	352	18	4	8408	420	16	8300	415
375 - 424----	61	1282	2467	7579	5.3	396	46	7	8376	431	46	8502	434
425 - 474----	35	571	925	8368	5.3	442	27	11	8765	461	26	8567	447
475 - 524----	11	101	145	9097	5.5	489	8	9	8514	457	6	8540	457
525 - 574----	2	3	7	10161	5.4	540	1	1	9805	526	1	9827	539
625 - OVER----	2	3	4	12955	5.9	665	1	2	8815	465	1	9832	517
BROWN SWISS													
275 - 324----	2	3	3	6930	4.3	296	1	1	6120	274	2	9854	423
325 - 374----	5	23	35	8984	4.0	357	3	3	9088	378	4	9188	377
375 - 424----	10	63	102	9846	4.2	409	5	2	11276	470	6	10296	419
425 - 474----	13	80	131	10577	4.2	444	11	3	10490	437	10	9927	418
475 - 524----	5	16	24	11368	4.3	491	3	1	11608	484	3	9443	396
525 - 574----	2	4	7	11701	4.6	542	2	1	12217	502	2	11829	496
575 - 624----	1	3	4	13148	4.5	588							
M. SHORTHORN													
375 - 424----	1	2	3	10500	4.0	405	1	1	11705	454	1	8960	335
ALL BREEDS													
UNCLER 275----	26	43	74	5468	4.3	232	9	1	7660	327	6	8254	350
275 - 324----	66	203	354	7234	4.3	306	24	2	8614	359	23	9022	378
325 - 374----	167	1719	3467	8146	4.4	352	86	4	9110	392	84	9448	404
375 - 424----	239	4436	8343	9456	4.4	400	175	8	10425	431	170	10426	431
425 - 474----	166	3097	5033	10953	4.2	446	125	12	11145	457	126	11101	453
475 - 524----	69	709	934	12173	4.2	493	54	11	11760	469	54	11736	466
525 - 574----	30	93	129	13900	4.0	546	19	4	12839	503	22	13129	508
575 - 624----	11	21	26	14650	4.0	597	6	2	14620	550	7	14464	558
625 - OVER----	6	11	12	15772	4.8	693	5	2	12576	527	5	11664	504

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY				YEARLY HLRL AVERAGE		
							SIRES NO.	DAUGHTERS NO.	MILK LB.	FAT LB.	SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	2	2	2	2906	2.3	135	1	1	5840	247	1	5842	250
275 - 324----	4	22	49	7139	4.3	303	2	8	8740	355	2	8972	367
325 - 374----	19	274	568	8565	4.1	353	17	11	9468	384	16	9433	384
375 - 424----	20	665	1215	9345	4.2	394	17	34	9888	402	16	9635	396
425 - 474----	5	7	17	10372	4.2	434	4	2	10908	469	4	10451	451
475 - 524----	2	2	3	12005	4.3	509							
525 - 574----	2	4	4	12655	4.3	541	1	2	12740	520	1	11870	478
625 - OVER----	1	1	1	17160	4.4	753	1	1	12960	534	1	11936	497
GUERNSEY													
UNDER 275----	5	5	6	5390	4.8	257	5	1	7515	359	4	8423	398
275 - 324----	11	14	26	6477	4.7	301	7	1	8129	367	5	8407	368
325 - 374----	35	580	1276	7285	4.9	352	30	16	9121	402	26	9175	405
375 - 424----	37	1010	2249	8441	4.7	398	32	27	10264	442	32	10016	438
425 - 474----	17	102	202	9088	5.0	448	14	6	10042	445	14	9730	431
475 - 524----	7	11	25	10123	4.9	489	5	2	11849	495	5	11544	492
525 - 574----	2	7	10	10934	5.0	540	2	4	11294	471	2	11171	475
575 - 624----	3	3	4	12598	4.8	595	3	1	12690	533	2	14176	556
HOLSTEIN													
UNDER 275----	5	5	7	4956	3.9	186	3	1	9240	334	5	10377	378
275 - 324----	8	10	12	8364	3.7	302	6	1	11310	423	6	12135	459
325 - 374----	24	48	92	9558	3.7	354	20	2	11553	434	18	11471	436
375 - 424----	61	1865	4344	10904	3.7	404	52	30	11717	447	49	11826	452
425 - 474----	90	4911	8716	12006	3.8	451	86	54	12238	463	85	12421	471
475 - 524----	76	697	1265	13029	3.8	496	75	9	12877	468	73	12866	493
525 - 574----	36	223	319	14433	3.8	545	35	6	13836	525	35	13702	520
575 - 624----	17	69	116	15339	3.9	589	17	4	14017	545	17	13694	525
625 - OVER----	14	22	32	17863	3.9	692	13	2	14784	578	16	14616	567
JERSEY													
UNDER 275----	2	2	2	4870	5.2	253							
275 - 324----	5	11	16	5702	5.3	300	2	2	6869	349	2	7167	372
325 - 374----	21	54	122	6719	5.3	351	17	2	7293	372	16	7890	401
375 - 424----	30	528	1108	7667	5.3	403	27	7	8194	432	27	8384	439
425 - 474----	18	137	269	8191	5.5	443	14	4	8096	429	14	8459	441
475 - 524----	9	18	50	8687	5.7	472	7	2	9084	475	6	9016	485
525 - 574----	3	4	12	9237	5.9	541	2	1	9747	515	2	9656	525
575 - 624----	1	1	1	11060	5.4	596	1	1	10730	615	1	10017	547
625 - OVER----	1	10	13	11902	5.3	634	1	10	10664	577	1	11114	568
BROWN SWISS													
UNDER 275----	2	2	2	5935	4.1	243	1	1	7100	260	1	10355	427
275 - 324----	1	2	4	6957	4.3	296	1	1	8550	353	1	8960	363
325 - 374----	7	11	15	7953	4.5	354	5	1	8891	387	5	9566	406
375 - 424----	9	46	85	9804	4.2	407	6	4	10818	452	6	10676	446
425 - 474----	10	201	389	10389	4.3	444	6	18	10020	417	6	9800	408
475 - 524----	5	14	27	11219	4.4	492	4	1	12390	522	5	11803	506
525 - 574----	7	22	58	12471	4.4	546	5	2	11524	476	4	10515	442
575 - 624----	4	22	47	13563	4.5	600	3	1	11371	476	2	10706	461
625 - OVER----	4	5	7	18061	4.6	771	1	1	12980	556	3	11832	498
M. SHORTHORN													
UNDER 275----	1	1	1	6670	4.1	274	1	1	8630	327			
275 - 324----	1	3	3	7807	3.7	291	1	3	6753	260			
ALL BREEDS													
UNDER 275----	17	17	20	5048	4.2	221	11	1	7897	330	11	9252	378
275 - 324----	30	62	110	7000	4.4	301	19	2	9015	375	16	9755	402
325 - 374----	106	967	2073	7361	4.5	353	89	8	9372	399	85	9460	407
375 - 424----	157	4114	9001	9443	4.4	401	134	24	10388	437	130	10343	438
425 - 474----	140	5358	9593	10987	4.2	449	124	39	11372	455	123	11472	459
475 - 524----	99	742	1370	12316	4.1	495	89	7	12499	489	89	12473	493
525 - 574----	50	260	403	13635	4.1	545	45	5	13260	517	44	13080	511
575 - 624----	25	95	168	14555	4.1	592	24	3	13384	538	22	13317	523
625 - OVER----	20	38	53	17570	4.1	708	16	2	14301	574	15	13647	549

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CGTEMPORARY SIREs DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HLRD MILK LB.	AVERAGE FAT LB.
AYRSHIRE												
UNDER 275----	2	2	2	6050	3.9	236						
275 - 324----	1	1	1	8040	3.8	307	1	1	8990	368	1	8110 332
325 - 374----	3	4	6	8678	4.6	342	1	2	9555	377	1	10459 408
375 - 424----	15	84	142	9995	4.1	403	13	4	10499	425	13	10463 423
425 - 474----	7	40	89	10738	4.1	441	6	4	11075	458	5	10748 445
GUERNSEY												
275 - 324----	2	3	7	6691	4.6	304	1	1	7190	344	1	7064 335
325 - 374----	4	14	29	7323	4.8	342	3	3	8256	378	3	7805 364
375 - 424----	4	17	42	8382	4.7	395	4	4	9361	433	4	8726 407
425 - 474----	10	38	92	9124	4.9	443	9	3	9998	450	9	9465 430
475 - 524----	2	2	4	11785	4.2	495	2	1	10470	494		
575 - 624----	1	1	1	12360	4.7	584	1	1	11740	531	1	11936 531
HOLSTEIN												
UNDER 275----	3	3	3	3480	3.6	123	2	1	10940	411	2	10274 371
275 - 324----	1	3	5	8810	3.6	324	1	3	11936	452	1	12212 428
325 - 374----	8	13	15	9573	3.7	354	6	2	11601	438	6	11535 433
375 - 424----	11	29	46	10698	3.8	405	11	3	11624	433	11	11624 434
425 - 474----	20	59	107	12234	3.7	450	18	3	11765	443	16	11626 435
475 - 524----	30	148	253	13545	3.8	499	28	5	12900	484	23	12797 479
525 - 574----	18	79	127	14363	3.8	544	18	4	12867	492	17	12383 480
575 - 624----	6	7	9	15928	3.8	599	6	1	12647	491	4	14050 549
625 - OVER--	6	9	12	18034	3.7	666	6	1	13408	488	6	13833 515
JERSEY												
UNDER 275----	1	1	1	4290	4.4	137						
275 - 324----	3	4	7	6568	5.0	317						
325 - 374----	3	3	7	6813	5.1	351						
375 - 424----	1	1	1	6850	5.7	392						
425 - 474----	3	10	19	8358	5.6	459					1	8938 486
525 - 574----	2	2	7	10944	5.1	550						
BROWN SWISS												
475 - 524----	2	2	3	12545	4.0	496	1	1	8680	345	1	9756 389
ALL BREEDS												
UNDER 275----	6	6	6	4472	3.8	172	2	1	10946	411	2	10274 371
275 - 324----	7	11	20	7048	4.5	313	3	2	9372	388	3	9129 365
325 - 374----	18	34	57	8464	4.2	349	10	2	10391	414	10	10308 410
375 - 424----	31	131	231	9935	4.1	402	28	4	10779	429	28	10671 425
425 - 474----	40	147	307	10204	4.2	447	33	3	11158	448	31	10776 437
475 - 524----	34	152	260	13206	3.8	498	31	4	12607	480	24	12670 475
525 - 574----	20	81	134	14039	4.0	545	18	4	12867	492	17	12383 480
575 - 624----	7	8	10	15418	3.9	597	7	1	12517	497	5	13627 546
625 - OVER--	6	9	12	18034	3.7	666	6	1	13408	488	6	13833 515

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTIMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYKSHIRE													
UNDER 275----	4	8	10	5676	4.1	233	3	2	9558	380	4	9664	390
275 - 324----	6	8	13	7153	4.2	301	4	1	9670	422	3	9542	390
325 - 374----	21	255	479	8783	4.1	356	19	9	9672	393	18	9583	392
375 - 424----	23	258	698	9559	4.1	392	21	5	9605	390	21	9525	389
425 - 474----	5	94	246	10679	4.1	437	4	15	9787	399	4	9600	393
475 - 524----	4	6	15	11355	4.4	492	2	1	11078	446	2	10230	410
GUERNSEY													
UNDER 275----	2	2	2	4765	4.8	228	1	1	9410	362	1	7586	349
275 - 324----	11	15	34	6038	4.5	298	4	2	7771	363	3	7820	367
325 - 374----	38	710	1637	7699	4.7	356	33	13	9197	415	32	9173	419
375 - 424----	44	709	1517	8274	4.8	396	31	17	9680	431	31	9686	438
425 - 474----	27	177	499	9288	4.8	442	17	7	9675	447	16	9767	447
475 - 524----	12	29	84	10211	4.9	498	10	2	10351	489	9	10384	497
525 - 574----	3	3	8	11514	4.8	552	3	1	11325	571	3	11172	549
575 - 624----	3	5	17	11139	5.3	590	3	1	10056	486	3	10655	526
625 - OVER--	4	4	8	14794	4.9	724	2	1	12390	589	2	11892	577
HOLSTEIN													
UNDER 275----	7	9	11	6068	3.5	235	6	1	9576	353	7	11140	414
275 - 324----	6	14	27	8378	3.6	300	5	1	9468	358	5	10054	379
325 - 374----	25	102	270	10075	3.5	355	21	1	10858	401	19	11161	410
375 - 424----	52	1356	3408	11110	3.7	403	41	21	12225	452	40	12068	448
425 - 474----	78	2979	5930	12299	3.7	449	72	36	12475	466	70	12251	457
475 - 524----	56	2327	3381	13167	3.8	498	54	40	13309	501	53	13332	502
525 - 574----	50	226	383	14642	3.8	547	43	5	13796	513	41	14094	529
575 - 624----	21	50	85	16032	3.8	600	19	3	14136	537	19	14209	546
625 - OVER--	14	22	37	17287	3.9	670	14	1	15064	556	13	14969	574
JERSEY													
UNDER 275----	1	1	1	6410	4.2	272	1	1	9270	477	1	9701	525
275 - 324----	4	6	12	5716	5.2	294	2	1	9495	471	1	8583	451
325 - 374----	5	6	11	6893	5.1	354	3	1	8281	437	2	8284	446
375 - 424----	16	45	84	7861	5.1	403	9	2	8009	413	8	8455	454
425 - 474----	16	133	193	8524	5.2	442	11	5	9102	464	12	9171	462
475 - 524----	21	123	217	9211	5.4	497	12	5	8637	466	13	9156	463
525 - 574----	3	3	14	9835	5.4	532	1	1	8687	457	1	8566	427
575 - 624----	2	2	3	10413	5.6	562	1	1	8100	447	1	8578	463
625 - OVER--	1	1	1	11680	5.5	644							
BROWN SWISS													
UNDER 275----	1	1	1	3320	4.3	145	1	1	3946	171	1	948	352
275 - 324----	5	7	10	7681	4.1	309	2	2	7808	322	3	9172	386
325 - 374----	1	1	1	7150	4.7	333							
375 - 424----	4	27	48	9884	4.1	407	3	5	7703	319	3	11167	459
425 - 474----	6	22	38	10501	4.2	444	4	3	11640	507	4	11433	489
475 - 524----	8	79	139	11453	4.3	490	7	6	12362	526	7	11998	514
525 - 574----	6	19	26	12878	4.2	540	3	3	12919	565	3	12167	540
575 - 624----	2	5	15	13612	4.5	604	2	1	13014	579	2	11894	513
M. SHORTHORN													
ALL BREEDS													
UNDER 275----	17	23	27	5523	3.7	213	14	1	8901	349	16	9368	392
275 - 324----	32	50	96	7108	4.5	300	17	1	8924	383	15	9177	385
325 - 374----	90	1074	2398	8561	4.2	356	76	6	9739	407	71	9744	410
375 - 424----	139	2395	5755	9549	4.3	399	105	15	10459	428	103	10526	432
425 - 474----	132	3425	6908	11086	4.1	446	106	26	11560	463	106	11396	455
475 - 524----	101	2564	3236	11704	4.3	497	85	27	12171	496	84	12165	494
525 - 574----	62	251	431	14087	3.9	546	56	4	13473	518	48	13673	529
575 - 624----	28	62	118	14933	4.1	598	25	2	13315	530	25	13372	538
625 - OVER--	19	27	46	16467	4.2	680	16	1	14677	560	15	14559	574

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRES NO.	DAUS. NO.	MILK LB.		SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	2	3	4	5643	4.2	232	1	1	8540	337	1	9243	373
275 - 324----	10	29	59	8106	3.8	307	2	2	8827	361	1	10906	450
325 - 374----	29	993	2322	8892	4.0	356	23	6	10185	410	20	9791	396
375 - 424----	37	1779	3452	9604	4.1	394	29	27	10174	407	27	10317	411
425 - 474----	13	178	250	10910	4.1	449	10	16	10986	451	10	10332	432
475 - 524----	8	27	90	11851	4.2	490	4	1	10523	426	3	10402	420
525 - 574----	1	1	7	12920	4.1	526							
625 - OVER--	1	5	4	16057	4.1	634	1	1	11790	461	1	11707	483
GUERNSEY													
UNDER 275----	7	10	12	5440	4.5	244	1	1	6800	298	3	8582	406
275 - 324----	16	55	101	6547	4.7	307	2	4	8952	372	2	8671	415
325 - 374----	57	785	1737	7422	4.8	352	30	3	8546	402	26	9120	428
375 - 424----	113	4014	8922	8246	4.8	397	65	12	9273	418	61	9528	428
425 - 474----	36	203	578	9459	4.8	446	14	3	9352	443	11	9310	452
475 - 524----	9	14	31	10353	4.8	495	3	2	10017	450	3	10228	454
525 - 574----	3	5	14	10490	5.1	538	1	1	11000	525			
HOLSTEIN													
UNDER 275----	15	22	32	6556	3.6	235	5	1	10346	374	6	13378	489
275 - 324----	18	26	45	8416	3.6	301	7	1	11376	416	7	11738	428
325 - 374----	45	317	761	9940	3.6	353	14	2	11563	426	12	11727	457
375 - 424----	163	22178	53639	11308	3.6	404	102	57	12137	442	96	12226	441
425 - 474----	247	39097	69602	12559	3.7	444	196	107	12827	466	193	12834	467
475 - 524----	122	6217	8761	15276	3.8	495	97	51	15154	463	92	13121	484
525 - 574----	41	168	289	14730	3.7	545	23	5	15692	513	20	13928	530
575 - 624----	19	55	68	15637	3.9	597	15	3	14008	517	13	14097	515
625 - OVER--	3	5	5	18863	3.7	666	3	1	15020	542	3	15053	550
JERSEY													
UNDER 275----	8	11	16	4605	5.2	235	4	1	7010	340	2	9135	416
275 - 324----	5	9	15	6001	5.0	305	3	1	7560	391	3	8542	396
325 - 374----	28	181	580	6787	5.3	355	12	4	7506	379	14	8592	421
375 - 424----	59	2094	4657	7645	5.3	399	47	11	7959	415	47	8247	422
425 - 474----	20	228	390	8588	5.2	444	15	9	8221	418	13	8660	440
475 - 524----	13	42	132	9002	5.6	496	6	1	8511	447	6	8598	440
525 - 574----	4	6	23	10410	5.4	556	1	1	8956	393	2	9451	453
575 - 624----	2	9	11	12674	5.1	607	2	5	8959	466	1	10342	541
625 - OVER--	1	2	4	11524	5.5	626	1	2	8695	402	1	9412	523
BROWN SWISS													
UNDER 275----	3	3	4	4905	4.5	210							
275 - 324----	3	6	9	7164	4.3	305	2	1	10770	442	1	12415	481
325 - 374----	6	73	117	8720	4.1	355	4	3	10218	411	4	9726	398
375 - 424----	18	506	945	9876	4.1	403	14	12	10967	446	15	10957	441
425 - 474----	25	533	880	10807	4.2	447	19	13	10984	456	19	11558	470
475 - 524----	15	98	167	11846	4.2	499	11	5	11596	492	11	11466	469
525 - 574----	6	16	29	13199	4.2	552	5	3	11550	475	6	11448	477
575 - 624----	2	2	2	14130	4.2	583	2	1	14030	578	1	15603	567
625 - OVER--	4	4	4	15715	4.3	675	2	1	12300	526	2	11838	505
M. SHORTHORN													
UNDER 275----	1	7	7	7003	3.8	266	1	3	6547	255	1	6464	250
275 - 324----	1	2	2	7260	4.0	286	1	1	10470	368	1	11129	380
325 - 374----	1	3	4	8057	4.1	326	1	1	6440	256	1	6649	253
375 - 424----	1	1	1	9620	3.9	377							
ALL BREEDS													
UNDER 275----	36	56	75	5730	4.2	235	12	1	8474	343	13	10768	431
275 - 324----	53	127	231	7472	4.2	304	17	2	10016	400	15	10599	422
325 - 374----	166	2352	5321	8305	4.4	353	84	4	9341	403	77	9567	416
375 - 424----	391	30572	71616	9636	4.3	400	257	23	10364	427	248	10473	431
425 - 474----	341	40259	71700	11663	3.9	448	252	66	12184	463	246	12264	464
475 - 524----	167	6598	9181	12589	4.0	495	121	42	12602	479	115	12560	478
525 - 574----	55	196	362	13985	4.0	546	30	4	13087	503	28	13127	513
575 - 624----	23	66	81	15249	4.8	598	19	3	13479	520	15	13614	521
625 - OVER--	9	14	17	16337	4.2	668	7	1	12878	517	7	12851	523

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.				YEARLY HERD AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	1	1	1	4280	4.5	192							
275 - 324----	2	3	7	7257	4.1	292							
325 - 374----	8	17	32	8508	4.2	354	2	2	8974	368	3	9559	366
375 - 424----	2	4	8	8507	4.7	391							
425 - 474----	2	3	3	10898	4.2	443							
475 - 524----	4	5	11	11342	4.4	490							
GUERNSEY													
UNDER 275----	5	5	8	5369	4.7	248							
275 - 324----	16	36	69	6623	4.6	304	3	1	10047	451	3	9586	402
325 - 374----	45	361	886	7485	4.8	353	17	2	9138	455	15	9162	412
375 - 424----	81	1291	2918	8399	4.8	377	44	4	9316	453	44	9495	426
425 - 474----	19	109	269	9127	4.9	447	9	4	9221	454	7	9273	416
475 - 524----	12	16	43	10049	5.0	497	3	1	9033	441	5	9598	432
525 - 574----	1	1	1	10120	5.4	544							
575 - 624----	1	1	1	13210	4.6	603							
HOLSTEIN													
UNDER 275----	8	9	11	7494	3.5	258	1	1	10750	403	1	9818	393
275 - 324----	15	29	48	8808	3.5	308	6	1	11831	437	9	11257	415
325 - 374----	34	121	268	9963	3.6	357	13	3	11333	415	13	11418	418
375 - 424----	112	2353	5965	11257	3.6	404	59	8	11889	440	57	11963	445
425 - 474----	153	6372	14269	12055	3.7	446	108	21	12573	467	105	12424	464
475 - 524----	88	1649	2504	13580	3.7	495	68	18	12954	484	67	12561	480
525 - 574----	35	106	169	14559	3.8	547	26	3	13176	497	25	13000	490
575 - 624----	7	11	14	15475	3.8	589	5	1	14567	550	2	13102	490
625 - OVER--	9	10	19	17582	4.1	691	7	1	14662	565	7	14348	548
JERSEY													
UNDER 275----	2	2	2	3260	6.0	177							
275 - 324----	4	13	18	5692	5.3	309	2	1	5895	357	1	8306	446
325 - 374----	6	31	84	6914	5.0	384							
375 - 424----	18	115	315	7739	5.3	405	2	2	9657	501	4	10021	435
425 - 474----	9	77	168	8622	5.3	449	4	6	9012	448	5	9653	449
475 - 524----	7	24	44	9816	5.1	502	3	4	9435	501	3	9160	471
525 - 574----	2	9	22	10022	5.5	544	2	2	10199	543	2	9100	473
575 - 624----	1	5	6	10863	5.7	624	1	5	9536	501	1	9752	539
BROWN SWISS													
UNDER 275----	3	3	5	5162	4.4	276							
275 - 324----	5	7	9	7588	4.1	308	1	1	8910	373			
325 - 374----	9	20	37	8528	4.1	350	4	1	10980	443	4	11085	456
375 - 424----	16	253	545	9779	4.2	405	11	5	11135	457	10	10938	462
425 - 474----	18	180	387	10590	4.2	449	13	4	11196	462	12	10640	455
475 - 524----	15	106	194	11881	4.2	499	10	5	10786	445	10	10919	456
525 - 574----	6	16	24	13184	4.2	552	3	3	11667	478	3	12472	513
575 - 624----	3	4	4	14180	4.5	611	2	1	11175	474	2	11658	482
625 - OVER--	4	6	7	15054	4.4	654							
ALL BREEDS													
UNDER 275----	19	20	27	5951	4.2	241	3	1	7513	372	2	6862	420
275 - 324----	42	88	151	7479	4.2	306	12	1	11141	451	12	10859	412
325 - 374----	102	550	1327	8449	4.3	354	36	2	10127	426	35	10254	417
375 - 424----	229	4016	9751	9342	4.2	402	116	6	10805	440	115	10662	459
425 - 474----	201	6741	15096	11482	4.0	446	134	18	12106	464	129	11998	460
475 - 524----	126	1800	2796	12622	4.0	495	84	15	12436	478	83	12369	475
525 - 574----	44	132	216	14065	4.0	548	31	3	12838	500	30	12668	493
575 - 624----	12	21	25	14580	4.2	599	8	2	13090	525	5	11694	496
625 - OVER--	14	17	28	17589	4.3	703	8	1	14055	554	6	13571	526

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	FAT LB.	AV. SIRE NO.	YEARLY HERD AVERAGE MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	5	16	19	6209	4.2	256	5	3	7699	311	5	9091	376
275 - 324----	15	111	186	7362	4.1	305	14	7	8560	346	14	8790	359
325 - 374----	43	1874	3709	8476	4.2	353	39	39	9203	377	36	9406	385
375 - 424----	32	695	1483	9317	4.2	392	29	21	9430	367	29	9762	399
425 - 474----	9	17	59	11125	4.0	443	9	2	10009	395	8	10485	416
525 - 574----	3	5	9	12371	4.4	543	3	2	10973	475	3	11517	493
575 - 624----	1	2	2	14375	4.3	615	1	2	11540	499	1	11129	489
GUERNSEY													
UNDER 275----	20	42	54	4814	4.6	222	17	2	8607	371	16	9076	391
275 - 324----	30	482	630	6474	4.7	305	24	18	8573	377	19	8768	399
325 - 374----	196	9630	22451	7328	4.6	352	183	41	8671	369	176	8856	400
375 - 424----	104	3556	8782	8044	4.9	371	91	31	8631	396	86	8759	404
425 - 474----	23	31	74	9378	4.8	447	18	1	9029	417	15	9168	432
475 - 524----	8	29	84	9716	5.1	490	7	4	8748	420	6	9045	429
525 - 574----	2	2	5	11908	4.8	560	2	1	9218	426	2	9397	398
575 - 624----	2	2	3	11405	5.1	560	1	1	10250	542	1	9145	486
625 - OVER--	1	1	1	15350	4.3	666	1	1	8630	437	1	10192	523
HOLSTEIN													
UNDER 275----	21	23	25	6531	3.6	233	15	1	10336	386	12	12409	464
275 - 324----	26	41	69	8577	3.5	302	21	2	10639	394	16	10976	417
325 - 374----	81	979	2310	9829	3.6	354	71	8	10525	392	66	10692	404
375 - 424----	298	35495	80492	11062	3.7	403	203	161	11428	424	268	11660	433
425 - 474----	265	50238	95544	12016	3.7	446	259	183	11691	436	249	12015	450
475 - 524----	74	2664	3858	13252	3.8	496	66	43	12070	453	60	12357	465
525 - 574----	34	114	179	14506	3.8	560	31	3	12328	465	29	12658	472
575 - 624----	11	11	16	15424	3.9	597	11	1	13211	498	10	13150	493
625 - OVER--	10	24	28	17999	3.8	677	6	3	14251	541	7	14422	548
JERSEY													
UNDER 275----	11	14	18	3683	5.1	189	5	1	4567	236	4	8333	418
275 - 324----	13	66	116	5916	5.0	293	6	4	6940	360	6	6742	352
325 - 374----	63	1741	3775	6855	5.2	355	51	15	7532	392	50	7760	406
375 - 424----	64	2146	4600	7518	5.3	397	51	16	7960	416	50	8065	424
425 - 474----	24	419	839	8290	5.4	445	21	11	8234	432	20	8391	439
475 - 524----	3	11	23	9510	5.2	456	7	1	8867	438	5	8645	451
525 - 574----	3	3	5	9835	5.6	542	7	1	10867	458	5	8645	451
575 - 624----	1	1	1	11560	5.0	580	1	1	8160	428	1	10366	513
BROWN SWISS													
UNDER 275----	5	11	16	5759	4.1	235	5	2	7869	324	5	7009	279
275 - 324----	4	4	6	7570	4.0	306	2	1	7745	312	2	8208	331
325 - 374----	11	20	38	8466	4.2	352	6	2	9049	368	5	9288	391
375 - 424----	21	361	623	9525	4.2	400	15	12	10751	444	15	10394	433
425 - 474----	13	212	394	10801	4.2	454	9	12	10379	442	9	10379	437
475 - 524----	7	16	26	12021	4.2	506	3	3	11271	468	5	11485	484
525 - 574----	4	8	13	12938	4.3	551	5	2	11525	464	5	11441	472
575 - 624----	1	1	1	16120	3.8	615	1	1	11680	454	1	15178	533
625 - OVER--	2	2	2	16275	4.1	655							
M. SHORTHORN													
UNDER 275----	4	7	8	5408	5.9	206	4	1	6484	233	3	5626	213
275 - 324----	3	11	17	8215	5.6	277	5	2	5276	192	5	5426	203
325 - 374----	2	3	4	8595	4.2	344	1	1	10480	395	1	9178	353
ALL BREEDS													
UNDER 275----	66	113	140	5385	4.3	223	47	2	8577	346	43	9554	392
275 - 324----	91	715	1224	7280	4.2	352	76	8	8817	365	66	8974	378
325 - 374----	396	14447	32287	7927	4.6	353	351	29	8951	368	350	9120	399
375 - 424----	519	42253	95960	9050	4.2	399	469	76	10365	416	446	10499	424
425 - 474----	334	50417	96910	11475	4.0	447	316	151	11265	435	301	11563	447
475 - 524----	97	2920	3971	12563	4.0	496	35	34	11491	449	74	11802	462
525 - 574----	46	132	211	13613	4.1	549	46	5	12010	464	37	1209	474
575 - 624----	16	17	23	14658	4.1	596	15	1	12465	475	14	12523	476
625 - OVER--	13	27	31	17550	3.9	673	9	5	15608	550	6	13493	545

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY SIREs NO.	HERD AVERAGE		
							SIREs NO.	DAUS. NO.	MILK LB.			SIREs NO.	MILK LB.	FAT LB.
AYRSHIRE														
UNDER 275----	3	4	7	6854	3.7	251	1	1	5050	176	1	6867	259	
275 - 324----	5	11	18	7825	3.9	303	4	2	9515	378	✓	12027	447	
325 - 374----	17	150	311	8657	4.0	351	14	5	9587	383	14	9589	372	
375 - 424----	30	632	1155	9740	4.1	395	26	14	9796	390	24	9980	396	
425 - 474----	3	15	36	10984	4.2	454	1	4	9635	387	1	8799	338	
475 - 524----	1	1	1	11230	4.5	501	1	1	9880	412				
GUERNSEY														
UNDER 275----	9	16	33	5490	4.7	257	5	1	8098	376	5	7913	376	
275 - 324----	12	37	62	6675	4.7	311	6	3	8845	376	4	9072	395	
325 - 374----	51	637	1350	7622	4.7	355	42	10	8630	389	39	8829	400	
375 - 424----	73	1011	2217	8416	4.7	375	69	10	9242	409	64	9063	422	
425 - 474----	17	59	95	9392	4.8	446	11	4	9736	440	10	7683	533	
475 - 524----	9	11	19	10150	4.9	492	6	1	9912	458	5	9376	753	
525 - 574----	1	1	1	10690	5.3	569	1	1	10440	495				
HOLSTEIN														
UNDER 275----	4	5	9	6603	3.6	230	3	1	9345	351	2	12503	449	
275 - 324----	16	16	18	9120	3.4	305	7	1	11301	405	7	11867	415	
325 - 374----	34	105	233	10270	3.5	356	26	2	11396	410	25	11374	408	
375 - 424----	96	3136	6978	11439	3.5	402	88	26	12114	433	80	12052	431	
425 - 474----	145	10465	18239	12481	3.6	450	135	70	12561	452	132	12572	451	
475 - 524----	52	738	981	13375	3.7	490	50	14	12800	464	44	12759	458	
525 - 574----	17	40	75	13791	4.0	544	16	2	12481	464	14	12541	460	
575 - 624----	9	12	20	16559	3.6	598	9	1	13711	490	7	14007	491	
625 - OVER--	3	3	3	18060	3.8	675	3	1	13003	469	1	12535	447	
JERSEY														
UNDER 275----	4	6	7	3970	5.3	207	2	2	4900	254	2	6442	415	
275 - 324----	7	9	16	6106	5.1	306	2	1	6105	338				
325 - 374----	29	322	628	6901	5.2	356	20	9	7821	405	17	7806	409	
375 - 424----	73	1629	3287	7635	5.2	397	68	15	8048	411	65	8147	419	
425 - 474----	35	477	767	8351	5.3	442	26	14	8505	442	23	8331	440	
475 - 524----	7	21	32	9637	5.3	507	6	3	9874	506	5	9423	500	
525 - 574----	6	7	13	9864	5.6	542	5	1	9075	476	5	9137	465	
625 - OVER--	2	2	4	13360	4.8	634	1	1	10265	538	1	9701	509	
BROWN SWISS														
UNDER 275----	1	4	4	6228	4.0	251	1	1	4690	189				
275 - 324----	4	4	7	7875	4.0	313	4	1	9583	369	3	9622	394	
325 - 374----	6	32	68	8521	4.1	348	5	2	10636	428	5	10610	427	
375 - 424----	26	195	383	9782	4.1	399	23	4	10786	440	21	10274	419	
425 - 474----	32	870	1477	10858	4.1	446	25	26	10901	445	24	10935	447	
475 - 524----	12	211	358	11855	4.2	496	9	12	11197	466	8	10626	433	
525 - 574----	7	44	51	12940	4.2	545	5	7	11342	474	4	10770	435	
575 - 624----	4	7	16	13925	4.3	585								
625 - OVER--	2	2	2	15375	4.3	659	1	1	11810	473	1	10333	423	
M. SHORTHORN														
UNDER 275----	1	1	1	7190	3.6	261	1	1	7370	276	1	8578	331	
275 - 324----	2	4	6	7670	3.9	298	2	2	8092	311	2	8384	335	
375 - 424----	1	2	3	10380	3.9	404	1	2	10403	405	1	7870	300	
ALL BREEDS														
UNDER 275----	22	36	61	5713	4.4	242	13	1	7341	314	11	8809	382	
275 - 324----	46	81	127	7712	4.1	307	25	2	9478	378	18	10503	402	
325 - 374----	137	1246	2590	8317	4.4	355	107	7	9409	398	96	9448	401	
375 - 424----	299	6605	14023	9454	4.4	398	275	17	10050	416	255	9972	421	
425 - 474----	232	11886	20614	11389	4.0	448	198	53	11647	449	196	11680	453	
475 - 524----	81	982	1391	12442	4.0	493	76	11	12075	466	62	11927	482	
525 - 574----	31	92	140	12739	4.4	544	27	3	11564	469	23	11493	461	
575 - 624----	15	19	36	15749	3.6	594	9	1	13911	490	7	14067	491	
625 - OVER--	7	7	9	15950	4.2	659	5	1	12217	464	3	10656	460	

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYKSHIRE													
UNDER 275----	3	3	5	6345	4.0	252	2	1	7470	313	2	9020	359
275 - 324----	4	8	15	7658	4.1	311	2	3	8913	354	1	9858	369
325 - 374----	11	45	84	8710	4.1	355	8	4	9609	391	6	9884	391
375 - 424----	10	36	65	9659	4.1	400	9	3	9025	365	8	9117	359
425 - 474----	2	3	10	10330	4.1	437	2	1	8353	334	2	8925	364
475 - 524----	1	2	3	10368	4.6	480	1	2	8950	367	1	9952	406
GUERNSEY													
UNDER 275----	3	3	6	5054	4.8	239	1	1	6873	328	1	8121	368
275 - 324----	6	10	17	5897	5.1	299							
325 - 374----	23	109	217	7715	4.7	360	18	4	9074	420	16	8759	409
375 - 424----	70	584	1204	8353	4.8	401	60	7	9126	433	56	9760	429
425 - 474----	31	270	615	9272	4.8	446	26	8	9365	444	22	9498	448
475 - 524----	18	59	155	10000	5.0	499	9	4	10248	503	9	10094	500
525 - 574----	2	2	2	10720	5.1	550	1	1	8010	360	1	8409	368
575 - 624----	3	5	5	11461	5.2	585	2	1	12440	628	2	11456	613
HOLSTEIN													
UNDER 275----	3	3	5	6300	3.9	246	2	1	10190	391	2	10791	412
275 - 324----	9	14	29	8873	3.4	302	2	1	10310	368	2	10333	371
325 - 374----	22	88	155	10149	3.5	350	14	6	11396	421	12	11907	421
375 - 424----	40	244	528	11584	3.6	403	38	5	12284	444	37	11911	429
425 - 474----	110	1008	3478	12394	3.7	453	95	16	12840	472	91	12456	459
475 - 524----	96	1850	5181	13535	3.7	497	87	19	13413	497	85	13146	486
525 - 574----	29	165	256	14394	3.8	544	25	6	13378	492	25	13502	491
575 - 624----	10	34	40	15744	3.8	596	9	4	14069	524	7	13454	506
625 - OVER--	7	8	9	17321	4.0	685	4	1	14138	529	5	15060	571
JERSEY													
275 - 324----	5	10	20	5762	5.3	302	4	1	7545	364	4	8053	434
325 - 374----	18	73	146	7110	5.1	357	11	4	7968	400	9	7620	390
375 - 424----	25	130	227	7763	5.2	399	17	3	7775	404	17	7911	408
425 - 474----	24	87	183	8451	5.3	445	19	3	8567	443	19	8452	437
475 - 524----	8	19	29	9568	5.2	494	6	2	8607	443	6	8616	442
525 - 574----	5	18	32	10240	5.4	548	4	4	9517	475	5	9140	474
575 - 624----	3	4	11	11640	5.2	603	1	2	10830	542			
BROWN SWISS													
UNDER 275----	2	2	2	2655	4.6	124					1	10115	402
275 - 324----	3	3	7	7533	4.2	315	1	1	12430	476	1	11860	437
325 - 374----	9	20	50	9019	3.9	350	6	1	9912	398	6	9631	389
375 - 424----	14	49	85	9815	4.1	401	11	3	10848	429	11	10295	414
425 - 474----	12	99	164	11082	4.1	455	10	7	10932	443	10	11030	447
475 - 524----	8	43	79	12238	4.1	502	6	0	12344	496	5	11245	458
525 - 574----	8	25	36	12935	4.3	543	5	3	12245	503	5	10997	454
625 - OVER--	2	2	2	14075	4.6	644	1	1	12720	519	1	11271	465
M. SHORTHORN													
275 - 324----	1	1	1	7740	3.6	275	1	1	8110	308	1	5853	207
325 - 374----	1	1	1	8760	4.5	374	1	1	8120	507			
375 - 424----	2	2	2	11315	3.6	403	1	1	6476	256	1	8971	343
ALL BREEDS													
UNDER 275----	11	11	18	5310	4.3	223	5	1	8439	347	6	9643	389
275 - 324----	28	46	89	7322	4.3	303	10	2	8930	376	9	9194	390
325 - 374----	84	336	653	8505	4.3	355	58	4	9690	408	51	9533	404
375 - 424----	169	1045	2111	9372	4.4	401	138	5	9921	427	130	9785	420
425 - 474----	179	2267	4450	11219	4.1	450	152	12	11531	460	144	11325	452
475 - 524----	131	2013	3447	12703	4.0	497	107	16	12787	493	106	12512	483
525 - 574----	44	210	326	13490	4.1	544	35	5	12599	489	34	12593	479
575 - 624----	16	43	56	14172	4.3	595	12	3	13528	543	9	13010	530
625 - OVER--	9	10	11	16600	4.1	670	5	1	13854	527	4	14113	545

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT	YEARLY SIRE NO.	MILK LB.	AVERAGE FAT LB.
							SIRE NO.	DAUS. NO.	MILK LB.	LC.			
AYRSHIRE													
UNDER 275----	1	3	7	6033	4.1	248					1	7913	302
275 - 324----	7	32	53	7293	4.1	293	7	3	8930	360	5	10164	398
325 - 374----	4	10	20	8460	4.1	339	4	2	8533	353	4	9100	371
375 - 424----	4	6	9	9475	4.2	394	4	2	10236	412	2	9655	398
425 - 474----	2	7	7	10513	4.3	445	2	3	9900	436	2	10172	442
575 - 624----	1	1	1	12230	4.8	583	1	1	9240	382	1	9309	396
GUERNSEY													
UNDER 275----	9	9	13	5060	4.6	231	4	1	7236	399	2	9605	421
275 - 324----	22	62	91	6584	4.7	305	16	3	8585	381	15	8167	352
325 - 374----	43	325	644	7524	4.8	356	36	6	9214	415	35	8798	395
375 - 424----	66	951	2053	8409	4.8	399	58	12	9272	428	54	9011	418
425 - 474----	25	277	591	9098	5.0	447	23	10	9591	442	21	9188	429
475 - 524----	7	18	31	10165	4.8	467	7	2	10372	447	7	10452	452
525 - 574----	5	21	40	11260	4.8	540	3	6	9449	405	2	9982	511
575 - 624----	1	1	2	12275	5.1	619	1	1	9805	466	1	10137	521
625 - OVER----	2	2	3	15588	4.7	725	2	1	10130	557	1	11914	588
HOLSTEIN													
UNDER 275----	4	4	4	6788	3.5	236	2	1	9375	339	2	11298	408
275 - 324----	7	10	11	9447	3.4	312	5	1	9215	346	3	10953	383
325 - 374----	27	78	155	10038	3.6	357	22	2	11726	423	16	11666	429
375 - 424----	77	2312	4953	11095	3.7	404	70	25	11835	455	64	11871	437
425 - 474----	177	13605	25250	12260	3.7	450	160	67	12653	468	156	12514	463
475 - 524----	101	6204	10634	13334	3.7	495	90	65	12774	472	85	12720	470
525 - 574----	33	107	161	14431	3.8	543	30	3	13509	562	26	13401	496
575 - 624----	8	30	60	16134	3.7	574	8	4	12741	483	5	13509	513
625 - OVER----	9	13	29	17369	3.8	669	8	1	14311	550	6	14244	540
JERSEY													
UNDER 275----	3	4	4	4887	5.2	250	2	1	7825	429	2	7723	415
275 - 324----	7	14	31	5985	5.1	300	5	2	7605	397	5	7669	402
325 - 374----	15	125	239	7049	5.1	350	15	5	7455	381	14	7515	391
375 - 424----	33	433	711	7686	5.2	396	31	9	8045	420	26	8261	432
425 - 474----	21	73	166	8557	5.3	448	17	3	8523	442	16	8291	437
475 - 524----	12	29	67	9314	5.4	495	10	2	8777	455	7	8588	443
525 - 574----	3	5	19	10627	5.3	558	2	2	9813	512	2	9565	499
575 - 624----	1	1	1	12320	4.7	576	1	1	8786	429	1	8662	440
BROWN SWISS													
UNDER 275----	2	4	4	5995	3.6	275							
275 - 324----	4	6	6	7038	4.4	308	2	1	9905	430	1	7445	304
325 - 374----	10	47	74	8870	4.0	356	9	4	10269	421	7	9921	414
375 - 424----	17	53	83	9702	4.1	399	15	3	11045	449	11	10130	411
425 - 474----	38	1171	2079	10809	4.2	452	35	26	11162	457	33	11010	452
475 - 524----	19	290	523	11539	4.3	494	18	13	11449	472	16	11484	460
525 - 574----	9	38	62	13101	4.2	540	8	4	11847	494	7	11556	475
575 - 624----	5	6	13	14011	4.3	598	5	1	12496	520	5	12262	491
M. SHORTHORN													
UNDER 275----	7	8	10	6228	3.9	243	3	1	7403	292	2	6142	234
275 - 324----	8	19	30	7707	3.9	305	6	2	7207	346	5	7492	282
325 - 374----	5	14	24	8776	4.0	350	5	2	9158	342	4	7568	291
375 - 424----	3	9	11	10259	3.8	390	3	2	9102	368	3	7922	297
425 - 474----	2	2	2	11270	3.9	442	1	1	8130	298			
ALL BREEDS													
UNDER 275----	26	32	42	5730	4.2	237	11	1	8505	364	9	8650	362
275 - 324----	55	143	222	7188	4.4	305	41	2	8757	372	34	8551	357
325 - 374----	104	599	1156	8335	4.4	355	91	4	9603	405	80	9277	398
375 - 424----	200	3764	7820	9483	4.3	400	181	15	10220	429	162	10675	425
425 - 474----	265	15135	28095	11439	4.0	450	240	51	11829	461	230	11680	456
475 - 524----	139	6541	11255	12582	4.0	494	125	47	12129	469	115	12158	469
525 - 574----	50	171	282	13646	4.0	543	43	4	12745	500	39	12698	493
575 - 624----	16	39	77	14747	4.1	595	16	2	12015	485	15	12097	491
625 - OVER----	11	15	32	17045	4.0	679	10	1	13875	551	7	15911	547

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD AVERAGE MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	2	4	4	6720	4.0	263	2	2	9140	323	1	9009	365
275 - 324----	2	9	14	7865	4.0	310	2	4	11220	412	2	11654	436
325 - 374----	6	15	20	8897	4.1	357	5	3	10342	406	5	10483	414
375 - 424----	3	11	17	9985	4.0	393	1	5	9308	371	1	11864	473
425 - 474----	5	16	32	11098	4.0	445	5	3	10958	435	5	9677	397
475 - 524----	2	7	10	12284	4.1	506	2	4	10893	425	2	12291	478
525 - 574----	1	1	1	12570	4.5	564	1	1	12560	561	1	11848	523
GUERNSEY													
UNDER 275----	8	14	18	4933	4.6	223	7	2	10213	464	3	9298	421
275 - 324----	18	37	53	6448	4.7	300	12	2	8531	378	11	9281	412
325 - 374----	52	540	958	7559	4.7	353	42	9	8728	399	40	9117	417
375 - 424----	76	1200	2468	8280	4.8	396	70	12	9271	421	60	9477	429
425 - 474----	34	283	463	9162	4.9	445	31	9	9676	438	31	10140	460
475 - 524----	16	31	55	9874	5.0	490	11	2	10166	457	10	10160	458
525 - 574----	4	6	10	10727	5.0	544	3	2	10348	488	2	9862	463
625 - OVER--	1	1	2	13980	5.8	699	1	1	15750	773			
HOLSTEIN													
UNDER 275----	11	16	18	6125	3.7	213	9	1	10636	396	5	11905	434
275 - 324----	15	18	26	8437	3.6	295	11	1	10358	369	9	11430	410
325 - 374----	56	244	426	9977	3.6	354	30	7	11472	420	26	12029	443
375 - 424----	101	1774	3458	11199	3.6	404	95	13	11989	437	89	12492	455
425 - 474----	199	12413	21243	12295	3.7	447	192	57	12220	448	186	12624	462
475 - 524----	91	2858	4281	13420	3.7	494	85	33	12930	478	76	13226	490
525 - 574----	35	81	136	14554	3.8	546	33	2	13582	498	29	13729	505
575 - 624----	10	13	17	16268	3.7	596	9	1	13679	517	7	14511	546
625 - OVER--	10	11	14	18164	4.0	702	7	1	13928	524	7	13700	524
JERSEY													
UNDER 275----	5	5	6	4510	5.5	249	3	1	10220	442	1	7258	370
275 - 324----	4	7	11	6281	4.8	296	4	2	5960	305	4	7448	392
325 - 374----	28	292	509	7038	5.1	355	22	6	7764	400	22	8083	417
375 - 424----	36	490	951	7689	5.3	403	29	8	7669	395	26	8078	413
425 - 474----	23	102	209	8453	5.3	447	18	5	8262	429	17	8632	446
475 - 524----	9	13	33	9305	5.3	491	5	1	8829	471	5	9057	478
525 - 574----	1	3	4	12153	5.5	547	1	5	6737	394	1	8720	456
575 - 624----	3	8	17	11126	5.5	602	3	3	9329	521	3	9770	541
625 - OVER--	1	1	2	13200	5.3	677	1	1	6845	368	1	8066	413
BROWN SWISS													
UNDER 275----	4	5	8	5474	4.1	219	4	1	9680	375	2	9500	373
325 - 374----	7	13	29	9111	4.0	359	4	2	8629	350	4	9970	405
375 - 424----	19	120	229	9983	4.0	401	12	5	10269	407	12	10989	440
425 - 474----	15	104	168	11199	4.1	451	14	4	11437	458	14	11382	459
475 - 524----	9	22	37	11880	4.2	496	6	3	11418	469	6	11815	477
525 - 574----	5	7	11	13470	4.1	558	4	2	12297	498	4	12315	496
575 - 624----	2	5	6	13719	4.3	588	2	3	12183	502	2	11866	486
625 - OVER--	1	1	1	14840	4.8	716	1	1	11790	498	1	12263	524
M. SHORTHORN													
UNDER 275----	2	2	2	6800	3.6	244	1	1	8680	293	1	9941	346
275 - 324----	1	1	2	8265	3.8	315							
325 - 374----	1	1	1	7320	4.5	329	1	1	8750	417			
375 - 424----	2	5	7	11059	3.8	415	1	2	10345	380	1	9102	327
475 - 524----	1	1	1	11040	4.4	485	1	1	8850	357			
525 - 574----	1	2	2	14985	3.7	543	1	1	12250	438	1	9668	342
RED DANL													
325 - 374----	1	5	5	8944	4.0	355	1	2	9475	358	1	11086	436
425 - 474----	1	6	9	10815	4.1	440	1	4	10819	405	1	11572	439
ALL BREEDS													
UNDER 275----	32	46	56	5573	4.3	230	26	1	10137	407	13	10200	405
275 - 324----	40	72	106	7294	4.2	299	29	2	9055	367	26	9925	410
325 - 374----	131	1110	1948	8265	4.4	354	105	7	9390	403	100	9827	424
375 - 424----	237	3600	7130	9616	4.3	401	208	12	10352	423	197	10743	439
425 - 474----	277	12924	22124	11506	4.0	447	261	43	11577	446	254	11923	459
475 - 524----	128	2932	4417	12543	4.0	493	110	25	12283	473	103	12598	485
525 - 574----	47	100	164	14029	4.0	547	43	2	13023	495	38	13088	497
575 - 624----	15	26	40	14900	4.1	596	14	2	12533	516	12	12885	535
625 - OVER--	13	14	19	17205	4.3	701	10	1	13188	530	9	12914	512

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HERD AVERAGE LB.	FAT LB.
AYRSHIRE													
UNDER 275----	3	6	7	5753	3.8	220	3	2	7188	268	3	7546	275
275 - 324----	5	43	83	7399	4.1	302	4	8	9571	377	5	9320	376
325 - 374----	3	3	6	8467	4.2	352	2	1	8699	343	1	8846	352
375 - 424----	1	4	7	9993	4.2	417	1	4	9889	395	1	9349	378
425 - 474----	5	22	32	10459	4.3	447	5	4	9726	415	4	10147	433
GUERNSEY													
UNDER 275----	12	37	78	5788	4.5	257	12	2	7728	346	6	7877	353
275 - 324----	52	342	764	6576	4.7	305	39	5	7716	359	36	7897	365
325 - 374----	164	2845	6289	7449	4.8	352	149	14	8196	378	146	8167	381
375 - 424----	132	1840	3615	8145	4.9	395	119	13	8638	403	110	8769	416
425 - 474----	29	198	299	8992	5.0	445	22	7	8787	414	22	8958	429
475 - 524----	9	18	38	10007	4.9	488	7	2	9690	428	7	10196	463
525 - 574----	1	1	1	11160	4.8	537	1	1	9130	454			
HOLSTEIN													
UNDER 275----	8	9	11	5731	3.6	206	7	1	9940	359	6	10785	392
275 - 324----	13	24	39	8900	3.4	304	8	2	11105	396	6	10606	373
325 - 374----	81	1204	2999	10168	3.5	356	63	9	11257	401	57	11214	403
375 - 424----	205	8504	20044	11375	3.6	462	186	53	11884	428	177	11806	426
425 - 474----	291	15918	27249	12349	3.6	447	279	52	12382	451	277	12336	451
475 - 524----	100	4554	6350	13380	3.7	495	98	44	13099	480	96	13030	478
525 - 574----	25	108	141	14636	3.7	540	22	4	13040	488	19	13069	488
575 - 624----	9	14	21	15662	3.8	589	9	2	14127	526	8	13831	509
625 - OVER----	9	10	14	18261	3.9	705	6	1	14138	537	6	13970	541
JERSEY													
UNDER 275----	4	4	5	4226	5.6	236	2	1	7535	355			
275 - 324----	19	55	106	5969	5.2	307	16	2	6930	361	14	7667	374
325 - 374----	33	174	360	6633	5.4	352	26	4	7234	383	22	7394	401
375 - 424----	54	490	1006	7483	5.3	396	49	7	7669	403	43	7765	413
425 - 474----	23	117	210	8356	5.4	446	17	5	8063	432	16	8051	433
475 - 524----	9	14	27	9281	5.5	499	7	2	8283	440	6	8434	448
525 - 574----	6	11	14	10305	5.2	536	5	1	8600	458	3	8873	457
575 - 624----	1	1	6	10373	5.6	584	1	1	7898	433	1	7232	404
625 - OVER----	1	1	2	12525	5.1	638	1	1	8600	469	1	8415	452
BROWN SWISS													
UNDER 275----	3	3	5	5517	4.2	219	1	1	8573	350	1	7641	317
275 - 324----	8	22	37	7593	4.3	310	6	2	9557	385	5	10279	410
325 - 374----	24	259	590	8900	4.0	351	20	7	9886	391	16	9431	374
375 - 424----	42	483	960	9854	4.1	401	38	9	10137	406	36	10334	409
425 - 474----	26	534	964	11005	4.1	445	24	18	11049	442	23	10777	432
475 - 524----	19	152	217	12046	4.1	491	17	8	11093	454	15	11348	460
525 - 574----	5	10	15	12342	4.4	544	4	1	11847	484	3	11134	460
575 - 624----	1	2	2	16695	3.7	613	1	2	10500	437	1	12938	510
625 - OVER----	1	1	1	15530	4.2	655	1	1	10470	424	1	10715	436
M. SHORTHORN													
UNDER 275----	2	6	17	6134	3.8	234	2	2	7920	297	2	7964	300
275 - 324----	4	6	8	7785	3.8	296	3	2	8511	326	2	7591	296
325 - 374----	10	19	34	8932	4.0	357	8	1	9071	349	6	8198	327
375 - 424----	8	10	15	9727	4.1	394	6	1	9592	368	6	9265	357
425 - 474----	2	4	6	12125	3.6	451	2	2	9345	362	2	6767	365
ALL BREEDS													
UNDER 275----	32	65	123	5553	4.3	233	27	2	8272	337	20	8697	346
275 - 324----	101	492	1037	6914	4.5	305	76	4	8182	365	70	8346	374
325 - 374----	315	4504	10278	8230	4.4	353	268	11	8976	394	252	8882	386
375 - 424----	442	11531	25647	9757	4.2	399	401	21	10201	414	373	10257	418
425 - 474----	376	16793	28760	11727	3.9	447	349	44	11798	446	344	11759	447
475 - 524----	137	4738	6632	12704	4.0	494	129	35	12388	471	124	12444	474
525 - 574----	57	130	171	15330	4.1	540	32	3	12075	478	25	12333	481
575 - 624----	11	17	29	15275	4.0	591	11	2	13231	509	10	13682	499
625 - OVER----	12	13	18	18117	4.1	720	6	1	13012	515	6	12868	517

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONT. SIRE NO.	DAUGHTERS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275---	2	3	4	6304	4.1	255	2	2	8685	358	1	7462	356
275 - 324---	8	20	36	7232	4.1	296	7	3	8949	359	7	8767	361
325 - 374---	5	18	29	8666	4.0	346	4	4	9369	374	4	9301	377
375 - 424---	7	36	45	9459	4.1	388	7	5	10015	397	4	8560	402
425 - 474---	2	4	7	10727	4.2	451	1	2	11423	451	1	11096	438
475 - 524---	3	7	10	11967	4.3	506	3	2	10835	450	3	8571	425
GUERNSEY													
UNDER 275---	12	22	42	5616	4.5	250	8	2	7991	352	7	7758	350
275 - 324---	35	151	284	6466	4.8	307	26	3	7548	351	26	7726	360
325 - 374---	96	1061	2336	7356	4.8	352	84	10	8224	383	82	8244	384
375 - 424---	74	793	1605	8139	4.9	395	62	11	8581	405	60	8394	398
425 - 474---	28	65	117	9107	4.9	442	20	2	9224	441	16	8732	427
475 - 524---	7	9	18	10207	4.9	499	6	1	9138	451	5	9457	456
525 - 574---	1	1	2	11890	4.6	540	1	1	9285	410	1	7663	385
HOLSTEIN													
UNDER 275---	6	8	9	6864	3.4	232	4	1	11818	404	1	11547	405
275 - 324---	15	20	39	8437	3.6	301	7	1	11200	414	7	11401	420
325 - 374---	54	323	701	10072	3.6	356	37	5	11102	402	35	11010	398
375 - 424---	190	11189	24251	11528	3.6	403	174	36	11932	430	171	11702	424
425 - 474---	171	5933	11318	12317	3.6	446	158	34	12397	448	151	12164	448
475 - 524---	78	1641	2535	13464	3.7	494	68	23	12766	463	60	12415	462
525 - 574---	19	146	222	14738	3.7	546	15	9	13449	491	13	13169	494
575 - 624---	8	20	33	16714	3.6	592	8	2	14036	502	7	12687	465
625 - OVER--	8	7	10	19417	4.0	745	6	1	15118	536	6	13791	508
JERSEY													
UNDER 275---	2	3	4	3307	5.1	174	1	2	6605	348	1	5909	318
275 - 324---	9	16	24	5853	5.2	297	8	2	7245	383	6	7414	372
325 - 374---	33	251	585	6760	5.2	353	26	6	7528	389	26	7702	391
375 - 424---	34	233	529	7680	5.3	400	29	6	7934	411	29	7923	410
425 - 474---	20	66	142	8570	5.3	447	20	3	8679	459	19	8507	447
475 - 524---	12	31	61	9299	5.4	494	12	3	9159	454	12	9155	456
525 - 574---	1	1	1	9100	6.0	542							
575 - 624---	2	3	4	11050	5.4	591	2	2	9820	524			
625 - OVER--	1	1	1	14410	5.4	774							
BROWN SWISS													
UNDER 275---	5	5	6	6446	4.1	261	4	1	8330	352	3	7547	358
275 - 324---	6	14	20	7740	3.9	300	5	1	9565	369	4	10057	408
325 - 374---	16	62	128	8784	4.0	349	9	4	9614	382	8	9621	386
375 - 424---	27	255	471	9985	4.0	399	26	7	10759	424	26	10052	405
425 - 474---	19	114	195	10977	4.1	447	18	5	10521	420	17	10161	417
475 - 524---	11	73	157	11997	4.1	493	9	6	11010	450	9	10698	451
525 - 574---	6	11	20	14065	4.0	548	6	2	12658	492	5	12357	466
575 - 624---	3	3	4	15038	4.1	614	2	1	12085	507	1	12284	504
625 - OVER--	1	1	1	17470	4.1	712	1	1	16000	608			
M. SHORTHORN													
UNDER 275---	10	20	28	5672	3.9	216	9	2	7613	299	9	7494	296
275 - 324---	15	50	102	7462	3.9	292	14	3	8509	329	14	7527	291
325 - 374---	8	22	44	8542	4.0	340	7	2	8583	344	7	7540	310
375 - 424---	6	9	13	10234	4.0	401	4	2	10142	385	4	6930	347
425 - 474---	1	1	1	12570	3.5	444	1	1	7950	309	1	8001	305
475 - 524---	1	1	1	11190	4.5	503							
ALL BREEDS													
UNDER 275---	37	61	93	5858	4.1	235	26	2	8405	340	22	7778	350
275 - 324---	88	271	505	7069	4.4	301	69	3	8368	360	66	3287	356
325 - 374---	212	1737	3823	8141	4.5	352	167	8	8871	366	162	8610	385
375 - 424---	338	12515	26914	10697	4.1	400	302	36	10691	421	294	10426	414
425 - 474---	241	6183	11780	11516	4.0	446	216	25	11385	446	205	11383	443
475 - 524---	112	1762	2782	12610	4.0	495	98	17	11332	459	94	11589	459
525 - 574---	27	159	245	14274	3.9	546	22	7	13036	468	19	12666	461
575 - 624---	13	26	41	15408	4.0	596	12	2	13008	506	6	12636	469
625 - OVER--	10	11	12	18722	4.1	745	7	1	15244	547	6	13791	508

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY				YEARLY HERD AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	4	4	8	5457	4.1	219	4	1	10374	395	4	9028	337
275 - 324----	5	30	50	7462	4.0	302	5	6	9390	370	4	8239	338
325 - 374----	16	102	207	8360	4.2	345	14	6	9350	375	12	8723	355
375 - 424----	22	86	147	9503	4.1	400	21	4	10576	437	17	9113	390
425 - 474----	7	8	12	10701	4.2	449	6	1	8885	372	5	9130	371
475 - 524----	5	13	18	12004	4.3	510	5	3	10331	419	3	8620	411
GUERNSEY													
UNDER 275----	9	14	17	5114	4.9	249	4	1	7560	352	3	6709	321
275 - 324----	17	52	97	6607	4.6	305	9	2	9111	424	8	8773	413
325 - 374----	62	664	1350	7334	4.9	354	52	10	8482	398	46	8412	395
375 - 424----	54	467	971	8142	4.9	398	43	9	8850	414	42	8663	412
425 - 474----	21	80	185	9030	4.9	441	17	3	9099	444	13	9062	437
475 - 524----	17	23	51	10321	4.8	495	15	1	8930	426	10	9499	457
525 - 574----	4	15	52	10234	5.5	558	2	6	11492	510	2	10456	494
575 - 624----	1	1	5	11860	5.0	590	1	1	9825	458	1	8553	572
HOLSTEIN													
UNDER 275----	6	7	7	6041	3.9	230	3	1	12903	437	2	11576	418
275 - 324----	11	13	18	8949	3.5	306	11	1	11343	414	7	11956	428
325 - 374----	35	77	138	9625	3.7	349	27	2	11126	405	16	11134	410
375 - 424----	88	1440	3096	11319	3.6	403	79	15	12180	442	77	11651	432
425 - 474----	161	4192	8028	12359	3.6	448	145	25	12583	455	139	12115	448
475 - 524----	103	1247	2096	13550	3.7	495	96	11	13107	478	91	12549	472
525 - 574----	42	592	619	14705	3.8	548	36	9	13366	496	35	12470	491
575 - 624----	16	56	96	15857	3.8	596	16	3	13962	507	14	13116	504
625 - OVER--	14	24	39	16907	3.9	653	12	2	14361	533	12	12894	523
JERSEY													
UNDER 275----	5	5	8	4153	5.3	217	2	1	7573	422	2	6829	388
275 - 324----	13	66	129	5919	5.1	302	9	3	7442	386	9	7765	402
325 - 374----	32	199	541	6707	5.3	354	22	3	7551	393	22	7735	411
375 - 424----	25	102	187	7438	5.4	395	24	3	7967	412	19	7551	399
425 - 474----	26	90	164	8309	5.4	445	22	3	8448	438	20	7812	415
475 - 524----	8	15	24	9563	5.3	498	4	3	8639	475	3	8171	428
525 - 574----	3	9	13	10154	5.4	537	3	3	8455	456	3	9386	469
575 - 624----	1	1	1	11680	5.0	587					1	7717	423
BROWN SWISS													
UNDER 275----	3	4	5	5642	4.3	238	3	1	8763	360	2	10086	399
275 - 324----	8	10	16	7439	4.1	303	5	1	9811	404	7	10753	441
325 - 374----	27	102	177	8633	4.2	358	23	3	10013	406	24	9329	398
375 - 424----	48	533	1094	9775	4.1	399	42	9	10176	410	39	9565	401
425 - 474----	38	568	1045	10902	4.1	447	37	12	10765	440	36	9982	420
475 - 524----	11	36	74	12032	4.1	489	8	3	11004	428	7	10553	454
525 - 574----	5	6	6	14443	3.8	550	3	1	10770	433	4	11679	476
575 - 624----	1	1	2	12570	4.7	561							
625 - OVER--	1	1	1	16430	4.0	653							
M. SHORTHORN													
UNDER 275----	20	40	58	6338	3.7	236	14	2	9212	346	10	7334	296
275 - 324----	18	65	113	8074	3.8	303	17	3	8640	338	13	7698	302
325 - 374----	10	29	45	8561	4.1	345	8	3	8731	351	7	7422	282
375 - 424----	6	10	19	10272	3.9	402	4	2	8595	330	4	7436	330
425 - 474----	2	5	6	11321	4.0	458	2	2	8754	362	2	6975	274
ALL BREEDS													
UNDER 275----	47	74	103	5714	4.2	234	30	2	9361	369	23	8111	334
275 - 324----	72	236	423	7359	4.2	304	56	2	9286	363	46	9001	381
325 - 374----	182	1173	2458	8014	4.5	352	146	6	9169	394	129	8822	390
375 - 424----	243	2638	5514	9745	4.2	400	213	10	10412	424	198	9914	413
425 - 474----	255	4943	9440	11401	4.0	447	229	19	11503	447	215	11056	436
475 - 524----	144	1534	2263	12776	4.0	495	126	9	12258	466	114	11946	466
525 - 574----	54	422	690	14097	4.0	548	46	8	12811	489	44	12096	488
575 - 624----	19	59	104	15254	4.0	595	17	3	13719	504	16	12480	503
625 - OVER--	15	25	40	16875	3.9	653	12	2	14381	533	12	12394	523

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTER NO.	RECORD NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
425 - 474----	1	1	1	9730	4.6	450							
GUERNSEY													
UNDER 275----	6	8	13	5267	4.6	239	4	2	8039	357	4	8627	355
275 - 324----	9	26	42	6332	4.9	309	5	2	8043	374	5	8896	419
325 - 374----	14	110	225	7139	4.9	348	14	4	8760	413	13	8595	407
375 - 424----	33	305	674	8083	4.9	395	29	7	9096	420	27	8861	417
425 - 474----	13	54	123	9041	4.9	443	11	3	9467	434	10	9123	439
475 - 524----	3	11	25	10730	4.7	506	1	7	9611	457	1	8866	433
525 - 574----	2	2	5	12619	4.4	553	2	1	9475	447	1	8611	427
625 - OVER----	1	1	1	13390	5.1	685	1	1	10010	503	1	10998	533
HOLSTEIN													
UNDER 275----	4	4	6	5788	3.7	208	3	1	9212	335	3	8135	287
275 - 324----	17	32	61	8426	3.6	301	9	2	10602	396	8	10260	377
325 - 374----	25	58	122	9567	3.7	352	18	2	11009	406	15	10475	382
375 - 424----	45	516	953	10995	3.7	402	39	11	11768	435	39	11504	432
425 - 474----	56	523	1013	12305	3.7	449	52	8	12021	447	50	11377	429
475 - 524----	38	158	255	13050	3.8	496	36	4	12159	455	29	12403	465
525 - 574----	22	76	179	14163	3.9	544	16	2	13707	509	15	13480	511
575 - 624----	14	47	69	15169	3.9	595	6	4	12666	478	7	13622	515
625 - OVER----	7	8	11	17546	3.8	671	6	1	13753	516	6	13513	506
JERSEY													
UNDER 275----	5	8	12	4298	5.2	218	3	1	5140	263	3	8262	458
275 - 324----	9	24	40	5998	5.2	307	4	1	7456	385	3	7852	422
325 - 374----	33	241	582	6736	5.2	350	28	4	7604	393	26	7429	381
375 - 424----	38	579	1213	7610	5.3	398	33	6	8125	424	32	7949	417
425 - 474----	32	192	355	8459	5.3	442	26	4	8390	440	25	8510	436
475 - 524----	16	57	85	9166	5.5	497	12	4	8447	456	11	8536	460
525 - 574----	1	1	5	10934	4.9	534	1	1	8944	463	1	8426	449
575 - 624----	1	1	1	11250	5.2	589							
625 - OVER----	2	2	3	13805	6.1	835	1	1	7910	440	1	8590	489
BROWN SWISS													
UNDER 275----	1	1	1	4140	4.7	194							
275 - 324----	1	1	1	7320	4.2	310	1	1	8360	364			
325 - 374----	6	9	27	8469	4.3	364	3	1	8687	358	4	8635	357
375 - 424----	11	29	39	9646	4.2	399	9	2	9550	396	9	8952	376
425 - 474----	9	18	35	10879	4.1	449	5	2	10239	419	5	8726	366
475 - 524----	2	2	3	11438	4.5	511							
M. SHORTHORN													
UNDER 275----	1	5	10	6766	3.9	269	1	3	9067	349	1	7787	314
275 - 324----	1	12	16	7842	4.1	321	1	11	9263	374	1	7589	308
325 - 374----	4	15	19	8991	4.0	350	4	3	9526	389	4	7496	321
375 - 424----	5	15	24	9777	4.1	401	5	5	9495	376	5	8375	341
425 - 474----	2	2	2	11295	4.0	443	1	1	6410	262			
ALL BREEDS													
UNDER 275----	17	26	42	5126	4.5	225	11	1	7662	325	11	6317	361
275 - 324----	57	95	160	7280	4.3	305	20	2	9155	366	17	9277	393
325 - 374----	62	431	975	7905	4.6	351	67	3	8923	399	64	8459	381
375 - 424----	152	1444	2903	9134	4.5	399	115	8	9776	422	112	9506	416
425 - 474----	113	790	1529	10686	4.3	446	95	6	10576	440	90	10163	430
475 - 524----	59	226	368	11824	4.3	497	49	4	11196	455	41	11260	463
525 - 574----	25	79	189	13910	3.9	544	19	2	13011	500	15	12819	501
575 - 624----	15	48	70	14907	4.0	594	6	4	12666	478	7	13622	515
625 - OVER----	10	11	15	16383	4.4	705	6	1	12555	505	6	12583	507

TABLE 13.--DAUGHTER-AVERAGE OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY				YEARLY SIRE NO.	HERD AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.	FAT LB.		SIRE LB.	MILK LB.	FAT LB.
AYRSHIRE														
UNDER 275----	1	1	1	6660	3.7	249	1	1	4720	191		1	6791	273
275 - 324----	1	1	2	6510	4.3	280	1	1	7435	296				
GUERNSEY														
UNDER 275----	2	2	2	4635	4.1	195	1	1	7760	350	1	8458	367	
275 - 324----	3	8	10	6086	4.9	301	3	2	8129	386	3	9247	420	
325 - 374----	10	22	44	7325	5.0	359	8	2	9253	415	7	8477	389	
375 - 424----		16	40	8292	4.9	463	5	1	8808	389	5	9123	418	
425 - 474----	2	2	2	8885	5.1	451	1	1	8510	425				
475 - 524----	1	1	3	9837	5.3	516	1	1	8920	453	1	9272	464	
525 - 574----	1	1	3	9167	5.8	526	1	1	8633	429	1	7685	384	
HOLSTEIN														
UNDER 275----	1	1	2	7545	3.4	257	1	1	8920	319	1	9293	324	
275 - 324----	8	25	52	8391	3.6	295	7	3	9668	354	6	9931	357	
325 - 374----	20	101	199	9706	3.7	355	18	5	10919	389	18	10536	375	
375 - 424----	38	352	722	11441	3.6	404	37	9	12057	429	35	11414	402	
425 - 474----	27	223	429	12496	3.6	449	25	8	12443	446	25	11720	418	
475 - 524----	21	119	182	13437	3.7	495	20	6	12579	452	19	11952	426	
525 - 574----	7	11	16	14752	3.7	546	7	2	12671	459	7	11698	410	
575 - 624----	4	8	10	14568	4.1	582	4	2	14046	527	4	13027	469	
625 - OVER--	2	2	2	18935	3.9	738	2	1	14810	572	2	12437	459	
JERSEY														
275 - 324----	2	3	3	4883	5.9	284	2	2	7020	345				
425 - 474----	1	1	1	7420	6.1	455	1	1	6490	371				
BROWN SWISS														
UNDER 275----	6	8	10	6097	4.0	239	2	1	11190	462	1	11903	476	
275 - 324----	4	9	15	7719	4.1	308	3	2	10774	428	2	9751	387	
325 - 374----	5	16	30	8548	4.1	349	5	3	9725	398	4	9122	367	
375 - 424----	10	33	59	10236	4.0	399	9	3	9918	398	8	9080	381	
425 - 474----	4	6	10	10886	4.1	444	4	1	10540	432	2	9551	382	
475 - 524----	4	6	13	12547	4.0	496	4	1	11511	464				
525 - 574----	3	3	5	12498	4.3	533	2	1	12930	527	1	13549	578	
M. SHORTHORN														
325 - 374----	1	1	1	8280	3.9	325	1	1	10040	382	1	9636	362	
375 - 424----	1	1	1	9310	4.0	376	1	1	9420	355	1	9091	347	
ALL BREEDS														
UNDER 275----	10	12	15	6006	3.9	235	5	1	8756	357	4	9111	360	
275 - 324----	18	46	82	7363	4.2	297	16	2	9116	369	11	9712	380	
325 - 374----	36	140	274	8844	4.1	355	32	4	10288	397	30	9817	377	
375 - 424----	57	402	822	10750	3.8	402	52	7	11324	418	49	10751	399	
425 - 474----	34	232	442	11945	3.9	449	31	7	11911	441	27	11559	416	
475 - 524----	26	126	198	13162	3.8	496	25	5	12262	457	20	11818	428	
525 - 574----	11	15	24	13629	4.1	541	10	1	12319	469	9	11458	426	
575 - 624----	4	8	10	14568	4.1	582	4	2	14046	527	4	13027	469	
625 - OVER--	2	2	2	18935	3.9	738	2	1	14810	572	2	12437	459	

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES	CONTEMPORARY DAUS.	MILK LB.	AV. FAT LB.	YEARLY SIRES	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
325 - 374---	1	1	3	9023	4.1	373	1	1	9633	406	1	9440	411
375 - 424---	1	1	2	7810	4.9	377	1	1	10330	406	1	9036	371
425 - 474---	2	3	6	10022	4.6	452	2	2	10964	423	2	10544	425
GUERNSEY													
UNDER 275---	1	1	1	5820	4.6	270							
275 - 324---	2	6	8	6482	4.7	305	1	1	6200	296	1	7325	341
325 - 374---	3	15	41	7144	4.7	335	1	2	10011	470	1	6805	428
425 - 474---	2	2	2	9765	4.5	433	1	1	9330	415	1	9047	415
HOLSTEIN													
UNDER 275---	2	2	4	4787	3.4	158	2	1	10375	344	2	9653	393
275 - 324---	5	5	6	9094	3.2	290	5	1	10836	378	3	9928	402
325 - 374---	7	12	18	10129	3.6	361	7	1	11252	405	7	11440	406
375 - 424---	11	35	52	11649	3.5	399	11	3	11138	389	11	10827	395
425 - 474---	14	92	143	12897	3.5	448	12	5	12066	425	12	11332	413
475 - 524---	11	13	29	13804	3.7	495	6	1	12378	445	6	11392	426
525 - 574---	6	6	8	13978	3.9	543	5	1	13281	487	4	12775	474
575 - 624---	3	5	6	16061	3.8	608	3	2	14187	479	3	14083	483
625 - OVER--	2	3	5	16175	4.1	655	1	2	13493	564	1	11854	461
JERSEY													
275 - 324---	3	3	9	4975	6.2	306							
325 - 374---	1	2	3	5848	5.8	336							
425 - 474---	1	1	1	8750	5.4	471	1	1	8470	469	1	8578	451
475 - 524---	3	3	3	9420	5.3	485	3	1	6223	489	3	8350	464
BROWN SWISS													
UNDER 275---	2	5	5	5892	3.8	222	1	1	5080	180			
275 - 324---	1	1	1	5650	5.0	282							
325 - 374---	3	7	14	8805	4.1	362	2	1	6780	277	1	8371	363
375 - 424---	3	3	4	10770	3.9	416							
425 - 474---	7	19	44	10226	4.4	447	2	2	11525	487	2	11105	457
475 - 524---	6	26	62	12232	4.0	490	3	2	12659	509	3	10736	438
525 - 574---	1	2	5	12740	4.2	526	1	2	12247	522	1	10457	444
625 - OVER--	2	2	4	15229	4.5	683							
ALL BREEDS													
UNDER 275---	5	8	10	5435	3.8	206	3	1	8610	289	2	9653	393
275 - 324---	11	15	24	7183	4.5	296	6	1	10063	365	4	9277	387
325 - 374---	15	37	79	8924	4.1	355	11	1	10179	388	10	10670	405
375 - 424---	15	39	58	11217	3.6	401	12	3	11071	391	12	10678	393
425 - 474---	26	117	196	11557	4.0	448	18	4	11532	434	18	10939	421
475 - 524---	20	42	94	12675	4.0	492	14	1	11548	468	14	10599	437
525 - 574---	7	8	13	13801	3.9	541	6	1	13109	493	5	12311	468
575 - 624---	3	5	6	16061	3.8	608	3	2	14187	479	3	14083	483
625 - OVER--	4	5	9	15702	4.3	669	1	2	13493	564	1	11854	461

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.				YEARLY HERD AVERAGE		
							SIRES NO.	DAUS. NO.	MILK LB.	FAT LB.	SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	1	1	2	6810	3.8	254	1	1	7160	389	1	6377	279
275 - 324----	3	3	7	6818	4.4	298	1	1	9045	396	1	7772	332
325 - 374----	2	2	5	8851	3.9	343	1	1	5015	220	1	6175	328
375 - 424----	3	3	7	8727	4.6	400	2	1	6579	346	2	7162	303
425 - 474----	2	5	11	10268	4.4	452							
GUERNSEY													
UNDER 275----	5	6	11	4916	4.4	215	1	1	12760	501	1	10704	408
275 - 324----	2	2	3	5880	5.1	300	1	1	8460	410	1	10301	492
325 - 374----	15	54	99	7336	4.9	357	13	2	8771	402	12	9066	422
375 - 424----	16	69	149	8263	5.0	403	15	2	9084	428	12	9007	428
425 - 474----	14	63	170	8904	5.1	446	13	2	9591	451	13	9419	455
475 - 524----	6	7	13	9792	5.2	501	3	1	9579	461	3	8657	434
525 - 574----	4	5	14	10941	5.0	546	2	2	10402	522	2	8873	428
HOLSTEIN													
UNDER 275----	3	3	5	7516	3.5	267	2	1	8577	298	1	6426	299
275 - 324----	6	7	16	8749	3.5	301	4	1	10883	393	4	10545	378
325 - 374----	24	91	205	9671	3.7	355	15	2	11652	430	15	11109	417
375 - 424----	44	371	846	10954	3.7	403	39	7	12109	445	36	11686	434
425 - 474----	72	924	1929	12160	3.7	445	63	10	12094	450	63	11966	441
475 - 524----	40	165	339	13301	3.7	494	33	4	12732	467	32	12438	455
525 - 574----	17	28	47	14364	3.8	544	13	2	13158	481	12	13184	481
575 - 624----	8	9	17	15627	3.9	606	8	1	12870	467	8	12383	450
625 - OVER--	2	4	4	16419	4.0	649	2	2	13900	563	1	14392	545
JERSEY													
UNDER 275----	1	1	1	3170	5.6	178							
275 - 324----	3	5	9	5626	5.2	286	1	1	7050	392			
325 - 374----	3	8	8	7266	4.9	353	1	1	7920	412	1	7303	410
375 - 424----	8	51	115	8014	5.1	405	8	5	8137	428	5	8118	417
425 - 474----	4	19	67	8514	5.2	439	4	1	8344	436	2	7477	399
475 - 524----	2	2	4	9177	5.3	487	2	1	8080	430	2	7347	494
575 - 624----	1	1	1	9610	6.0	580	1	1	7586	413			
BROWN SWISS													
UNDER 275----	2	5	15	6477	4.3	271							
275 - 324----	5	6	12	7701	4.0	302	5	1	9609	408	2	8221	342
325 - 374----	14	18	35	8617	4.0	351	13	1	10548	438	10	10091	416
375 - 424----	6	28	43	9634	4.2	403	6	3	11292	472	6	10440	433
425 - 474----	12	29	49	10845	4.2	454	10	2	10971	458	7	10185	419
475 - 524----	11	31	44	11630	4.3	498	9	2	11993	495	6	11139	453
525 - 574----	5	8	18	12954	4.3	550	4	1	11731	477	4	11063	445
575 - 624----	1	1	2	13785	4.2	575	1	1	11420	493	1	8851	384
625 - OVER--	2	2	5	16821	3.9	645	2	1	9118	363	1	9795	410
M. SHORTHORN													
UNDER 275----	5	13	23	5489	3.8	209	4	1	7303	276	4	7127	267
275 - 324----	1	1	1	8330	3.8	315					1	9854	335
325 - 374----	1	4	4	8313	4.1	342	1	3	8060	315	1	7946	308
425 - 474----	1	1	1	11660	3.7	432							
ALL BREEDS													
UNDER 275----	17	29	57	5736	4.1	229	8	1	8285	323	7	7717	293
275 - 324----	20	24	48	7421	4.2	299	10	1	9691	399	9	9617	373
325 - 374----	59	177	356	8702	4.2	354	44	2	10156	416	46	9976	413
375 - 424----	77	522	1160	9900	4.2	403	70	5	10836	439	63	10631	427
425 - 474----	105	1041	2227	11396	4.0	446	90	8	11441	450	85	11524	441
475 - 524----	59	205	400	12493	4.0	495	47	3	12191	471	43	11849	455
525 - 574----	26	41	79	13566	4.1	545	19	2	12567	484	18	12234	467
575 - 624----	10	11	20	15001	4.1	600	10	1	12196	465	9	11991	443
625 - OVER--	4	6	9	16620	3.9	647	4	2	11509	443	2	12094	478

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
275 - 324----	7	9	18	7220	4.1	296	1	1	10160	392	1	7913	320
325 - 374----	6	66	125	8561	4.2	358	6	2	9836	405	6	9949	405
375 - 424----	12	233	401	9467	4.2	395	8	10	10097	411	10	9642	402
425 - 474----	6	27	39	10239	4.5	453	1	13	9891	406	1	9646	401
475 - 524----	1	1	5	12144	3.9	477							
GUERNSEY													
UNDER 275----	6	7	8	4628	5.1	230	1	1	12605	477			
275 - 324----	6	10	17	5983	5.0	300							
325 - 374----	11	56	102	7443	4.9	357	2	1	6885	315	4	7041	375
375 - 424----	13	81	169	7953	5.0	395	5	1	8441	411	3	9614	449
425 - 474----	11	15	22	8966	5.1	444	4	1	7660	347	2	8126	398
475 - 524----	1	4	7	9279	5.3	494	1	2	8558	422	1	8306	450
525 - 574----	1	1	3	9767	5.6	552							
HOLSTEIN													
275 - 324----	7	8	12	8560	3.5	300	2	2	10610	408	1	12197	451
325 - 374----	17	20	44	9881	3.6	359	3	1	11302	438	4	12878	462
375 - 424----	33	521	969	11080	3.6	401	14	4	12044	437	12	12044	457
425 - 474----	52	1082	1597	12046	3.7	448	37	11	12277	456	30	12176	452
475 - 524----	38	203	316	13583	3.7	497	25	4	13002	473	25	12399	452
525 - 574----	10	28	37	14255	3.9	544	4	4	13272	487	3	12657	465
575 - 624----	6	9	15	16168	3.7	596	2	2	15015	526	2	14123	507
625 - OVER--	3	3	8	18736	4.0	746	3	1	15885	601	3	15431	583
JERSEY													
UNDER 275----	3	10	13	4759	4.6	222	1	2	6480	335	1	6314	327
275 - 324----	2	3	4	5485	5.3	288	1	1	8530	455	1	8219	452
325 - 374----	12	40	71	6845	5.2	352	3	1	7222	360	3	7543	380
375 - 424----	11	43	76	7319	5.3	400	5	4	7126	374	3	7095	366
425 - 474----	6	12	21	8083	5.5	438	2	3	7278	386	2	7567	397
475 - 524----	1	1	3	9767	5.1	506							
525 - 574----	1	1	1	9540	5.9	560							
575 - 624----	1	1	1	10490	5.9	616	1	1	10120	512	1	9200	491
BROWN SWISS													
UNDER 275----	4	5	6	4888	4.2	203					1	8164	317
275 - 324----	3	4	6	7143	4.2	301	1	1	9350	362	1	8731	360
325 - 374----	7	41	57	8101	4.4	350	4	4	9854	406	4	9373	392
375 - 424----	6	53	92	9486	4.3	404	6	3	9339	395	5	9542	409
425 - 474----	16	72	104	10333	4.4	449	7	4	9599	395	6	9687	413
475 - 524----	3	8	14	11858	4.5	504							
525 - 574----	3	7	9	11876	4.5	536	2	1	10585	455	2	11293	456
575 - 624----	2	3	4	13950	4.2	585							
M. SHORTHORN													
UNDER 275----	5	13	21	6384	3.9	246	2	1	7920	303	2	8186	306
275 - 324----	7	24	40	7829	3.9	304	6	2	7541	288	6	7518	292
325 - 374----	1	3	7	9606	3.8	364	1	3	7610	297	1	8813	329
375 - 424----	1	2	2	10915	3.9	422							
ALL BREEDS													
UNDER 275----	18	35	48	5196	4.5	227	4	1	8761	354	4	7713	314
275 - 324----	32	58	97	7299	4.2	297	11	2	8593	341	10	8217	333
325 - 374----	54	226	406	8527	4.4	356	19	2	9230	368	22	9550	401
375 - 424----	76	933	1709	9618	4.5	399	35	5	10086	413	35	10085	414
425 - 474----	91	1208	1783	10992	4.2	448	51	9	11304	435	47	11436	441
475 - 524----	44	217	345	13248	3.8	497	26	4	12831	471	26	12241	451
525 - 574----	15	37	50	13165	4.3	544	6	3	12376	476	3	12111	461
575 - 624----	9	13	20	15044	4.0	595	3	2	13383	521	3	12482	501

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STAT. ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMP. DAUGHTER NO.	MILK LB.	FAT LB.	YEARLY SIRE NO.	HERD AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 275---	2	2	4	5894	4.4	257	2	1	7377	269	2	8685	343
275 - 324---	15	68	113	7569	4.0	304	15	4	8319	331	14	8496	334
325 - 374---	12	80	117	8519	4.1	351	12	6	9067	372	12	9131	368
375 - 424---	8	16	37	9578	4.1	392	8	2	9366	363	6	9691	389
425 - 474---	5	7	14	11281	4.1	454	5	1	10261	416	4	10365	415
475 - 524---	1	1	1	9540	5.2	496	1	1	9360	399	1	9799	425
GUERNSEY													
UNDER 275---	5	12	17	6011	4.4	262	4	3	8242	370	4	8093	373
275 - 324---	5	13	22	6556	4.5	294	5	3	8112	398	5	8069	391
325 - 374---	26	248	609	7283	4.9	351	24	9	8505	385	19	8465	387
375 - 424---	16	70	213	7999	5.0	393	12	5	9106	400	12	8623	391
425 - 474---	3	4	7	9353	4.9	450	2	2	9934	427	2	9485	406
HOLSTEIN													
UNDER 275---	2	2	5	6509	3.7	231	2	1	10959	410	2	10298	373
275 - 324---	5	5	6	8357	3.6	303	2	1	10320	402	2	10655	378
325 - 374---	15	22	42	9798	3.6	351	15	1	10847	398	15	10890	396
375 - 424---	51	428	885	11092	3.7	404	46	7	11279	416	46	11231	414
425 - 474---	40	359	667	12276	3.7	447	37	9	11899	443	37	11756	442
475 - 524---	16	69	119	13564	3.7	495	15	4	12141	444	16	12466	463
525 - 574---	7	10	13	14576	3.8	548	6	2	12582	461	6	13409	494
575 - 624---	5	7	12	16181	3.7	599	5	1	14126	515	5	14013	515
JERSEY													
UNDER 275---	2	2	2	4770	4.9	235							
275 - 324---	2	22	41	5792	5.3	305	1	14	6855	355	1	6757	351
325 - 374---	8	55	191	6701	5.3	350	6	7	7207	377	6	7016	366
375 - 424---	9	57	173	7374	5.5	398	7	4	7713	398	6	8246	425
425 - 474---	4	24	50	7826	5.6	437	4	5	7563	407	4	8509	444
475 - 524---	1	1	1	9560	5.3	505					1	9352	456
525 - 574---	1	1	2	9430	5.8	544	1	1	8830	483	1	8873	487
REDW. SWISS													
275 - 324---	1	2	3	7330	4.5	311	1	2	10645	470	1	11620	501
325 - 374---	1	1	1	8620	4.0	342					1	13320	511
375 - 424---	1	5	9	8544	4.5	384							
425 - 474---	4	4	7	10325	4.4	448	4	1	9758	423	4	11372	488
475 - 524---	2	5	5	11979	4.1	495					1	13196	507
525 - 574---	1	1	1	11780	4.6	548					1	15347	566
ALL BREEDS													
UNDER 275---	11	18	28	5854	4.5	250	6	2	8705	360	8	8792	365
275 - 324---	28	110	185	7393	4.2	302	24	4	8478	358	23	8651	358
325 - 374---	62	406	960	8077	4.5	351	57	6	9103	384	53	9237	385
375 - 424---	85	576	1317	9943	4.2	400	75	6	10394	408	72	10376	408
425 - 474---	56	398	745	11572	4.0	447	52	7	11168	435	51	11259	442
475 - 524---	20	76	126	13004	3.9	496	16	4	11967	441	19	12217	463
525 - 574---	9	12	16	13693	4.1	548	7	1	12046	464	6	13084	502
575 - 624---	5	7	12	16181	3.7	599	5	1	14126	515	5	14013	515

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 275----	5	8	8	4707	4.0	137	3	2	9749	399	3	9812	393
275 - 324----	9	108	258	7543	4.0	300	9	9	8757	350	9	8990	361
325 - 374----	22	336	762	8456	4.2	351	19	14	9135	374	19	9168	375
375 - 424----	20	148	297	9544	4.2	398	18	7	9963	403	18	9605	388
425 - 474----	6	52	61	10248	4.4	452	4	13	10495	425	4	10723	434
475 - 524----	6	11	14	11266	4.3	484	6	2	10092	415	6	9927	404
525 - 574----	1	1	1	12390	4.4	550	1	1	9820	405			
575 - 624----	1	1	1	12600	4.6	578	1	1	12150	490	1	11074	447
GUERNSEY													
UNDER 275----	3	3	3	4640	4.3	201	1	1	8970	342	1	9189	356
275 - 324----	23	38	67	6563	4.6	302	15	2	8103	369	13	8640	386
325 - 374----	65	588	1364	71176	4.9	349	55	8	8598	392	49	8643	396
375 - 424----	40	569	1345	8209	4.9	399	52	13	8888	405	31	8780	402
425 - 474----	12	45	171	8692	5.0	439	10	3	8838	421	10	8430	399
475 - 524----	5	5	12	9528	5.3	503	3	1	10379	427	3	10647	455
525 - 574----	3	3	8	9997	5.5	544	3	1	9027	406	3	8983	402
575 - 624----	1	1	7	11030	5.3	587	1	1	9104	448	1	9114	450
HOLSTEIN													
UNDER 275----	26	28	42	6727	3.4	226	18	1	9599	353	16	10251	382
275 - 324----	24	31	72	8389	3.6	301	16	1	9067	341	15	9680	368
325 - 374----	74	209	473	9327	3.6	353	57	3	10519	402	51	10486	402
375 - 424----	85	2057	3940	11078	3.7	404	74	23	11219	425	69	11101	420
425 - 474----	120	4138	8283	12000	3.8	447	108	34	11723	442	102	11805	445
475 - 524----	72	645	1111	13166	3.8	495	65	9	12057	464	61	12110	466
525 - 574----	36	229	305	13901	3.9	543	31	7	12579	476	26	12173	488
575 - 624----	25	86	130	14938	4.0	592	25	4	12076	479	22	12157	498
625 - OVER--	15	63	99	17410	4.1	700	14	4	12936	513	13	13121	520
JERSEY													
UNDER 275----	3	6	8	4809	5.0	237	2	3	6813	359	2	6788	348
275 - 324----	5	13	38	5977	5.1	299	3	2	7047	365	3	6476	355
325 - 374----	20	161	306	6747	5.1	344	13	6	7406	383	14	7742	398
375 - 424----	18	274	667	7687	5.2	399	14	8	7826	405	14	8023	415
425 - 474----	9	30	57	8469	5.4	448	3	5	8263	414	3	8280	413
475 - 524----	6	11	31	8937	5.6	502	1	1	10057	492	1	9066	453
525 - 574----	6	33	94	10045	5.5	548	1	1	7607	408	1	8153	432
575 - 624----	5	17	56	10742	5.7	606							
BROWN SWISS													
UNDER 275----	3	6	9	5855	4.3	251	2	3	9305	369	2	9106	360
275 - 324----	7	9	17	7239	4.2	300	3	1	8918	364	3	10316	407
325 - 374----	11	41	79	8624	4.1	356	3	4	9348	374	9	10309	415
375 - 424----	10	65	111	9646	4.3	408	6	2	9250	369	9	10552	424
425 - 474----	15	62	87	10565	4.3	449	7	2	10445	426	13	10340	405
475 - 524----	9	30	52	11669	4.2	495	4	2	10088	436	8	10192	411
525 - 574----	4	4	8	11791	4.6	545					2	8976	353
575 - 624----	5	13	16	14074	4.2	590	2	1	11390	485	1	9810	355
625 - OVER--	6	19	23	14120	4.6	651					1	11510	463
ALL BREEDS													
UNDER 275----	40	51	70	6108	3.7	222	26	1	9355	358	24	9768	377
275 - 324----	68	199	452	7364	4.2	301	46	3	8550	355	43	9042	372
325 - 374----	192	1335	2984	8394	4.3	351	147	6	9322	392	142	9395	397
375 - 424----	173	3093	6360	9801	4.2	402	144	16	10132	415	141	10059	412
425 - 474----	162	4527	8659	11376	4.0	447	132	28	11321	439	132	11292	437
475 - 524----	98	702	1220	12468	4.1	495	79	8	11719	458	79	11664	455
525 - 574----	50	270	416	13005	4.3	544	36	6	12068	484	32	11549	470
575 - 624----	37	118	210	14086	4.3	593	27	3	11917	479	25	11881	486
625 - OVER--	21	82	122	16470	4.2	686	14	4	12936	513	14	13006	516

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRES NO.	DAUGS. NO.	MILK LB.		SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	7	12	18	6046	4.0	240	4	1	9453	388	3	7843	325
275 - 324----	6	7	8	7189	4.1	295	1	1	9060	370			
325 - 374----	6	10	10	8636	4.2	360	5	2	9163	392	1	8099	341
375 - 424----	1	2	2	9305	4.4	411	1	2	13655	545	1	9554	398
425 - 474----	2	7	7	10133	4.4	439	1	6	9772	424	1	9429	401
575 - 624----	2	4	4	14260	4.4	608	2	2	9500	399	1	9330	399
GUERNSEY													
UNDER 275----	5	11	18	4817	4.6	225							
275 - 324----	9	33	81	6214	4.9	300	3	1	7173	334	3	9839	401
325 - 374----	42	359	793	7244	4.9	350	15	4	9210	422	15	8794	393
375 - 424----	34	230	451	8186	5.0	403	17	3	9515	435	17	9419	442
425 - 474----	15	40	92	9327	4.8	448	9	2	8780	412	6	9443	446
475 - 524----	6	9	15	10135	5.0	499	1	2	10265	439	1	9898	418
525 - 574----	2	2	4	9698	5.5	536	1	1	9230	453	1	8960	458
575 - 624----	2	2	2	13035	4.6	600	1	1	14820	560	1	13363	495
HOLSTEIN													
UNDER 275----	17	21	52	6924	3.4	236	1	1	10750	399	1	10399	375
275 - 324----	24	32	55	8709	3.6	307	5	2	9938	372	5	11770	445
325 - 374----	58	132	254	9790	3.6	352	31	2	11225	421	25	11784	439
375 - 424----	66	456	883	11032	3.7	404	47	4	11980	449	42	11740	432
425 - 474----	116	2614	4668	12162	3.7	449	92	16	12593	474	88	12383	463
475 - 524----	85	1206	1800	13356	3.8	499	73	10	13226	499	65	12922	491
525 - 574----	36	115	174	14553	3.8	544	31	3	13821	535	29	13186	507
575 - 624----	19	44	61	15301	3.9	600	17	2	14116	539	16	13394	520
625 - OVER--	17	20	26	17248	3.9	677	16	1	14176	537	14	14155	539
JERSEY													
UNDER 275----	4	6	7	5223	4.9	250	1	1	8570	441	1	8786	442
275 - 324----	4	4	8	5628	5.3	295	2	1	6160	333	2	7347	391
325 - 374----	4	11	15	6361	5.5	351	1	2	8060	403			
375 - 424----	18	136	240	7764	5.2	396	7	5	8568	433	7	8715	445
425 - 474----	8	84	161	8319	5.5	454	3	10	8979	449	3	9009	460
475 - 524----	4	8	15	9674	5.1	487	1	1	11080	590	2	10682	517
525 - 574----	2	2	3	9525	6.0	563	2	1	10640	546	1	8077	421
BROWN SWISS													
UNDER 275----	2	2	2	6505	4.1	268							
275 - 324----	1	1	1	8940	3.4	306					1	11249	456
325 - 374----	1	1	1	7950	4.5	357	1	1	7700	328	1	8753	391
375 - 424----	8	14	18	9384	4.3	397	2	1	10808	451	3	11049	457
425 - 474----	6	7	10	10595	4.2	446	3	1	10865	473	3	10936	460
475 - 524----	7	10	14	11743	4.3	496	4	2	11126	464	3	10709	450
525 - 574----	1	1	1	13240	4.0	525					1	11401	460
575 - 624----	3	3	4	14330	4.1	593	2	1	9780	428	1	11412	487
ALL BREEDS													
UNDER 275----	35	52	97	6229	3.9	239	6	1	9522	399	5	8543	359
275 - 324----	44	77	153	7716	4.1	303	11	2	8417	354	11	10392	424
325 - 374----	111	513	1073	8624	4.2	351	53	2	10334	417	42	10556	419
375 - 424----	127	838	1594	9689	4.3	402	74	3	11082	446	70	10813	436
425 - 474----	147	2952	4938	11572	4.0	449	108	14	12101	467	101	12038	462
475 - 524----	102	1233	1844	12912	3.9	498	79	10	13055	498	71	12725	489
525 - 574----	41	120	182	14039	4.0	544	34	3	13498	532	32	12839	501
575 - 624----	26	53	71	14935	4.1	600	22	2	13334	517	19	13074	511
625 - OVER--	17	20	26	17248	3.9	677	16	1	14176	537	14	14155	539

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HLRD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
275 - 324----	2	17	30	6704	4.2	282							
325 - 374----	9	72	122	8315	4.2	349	6	3	8693	355	6	8582	350
375 - 424----	8	40	61	9700	4.2	399	5	2	9905	406	5	9935	405
425 - 474----	1	5	5	10302	4.2	435	1	5	10102	401	1	11412	459
GUERNSEY													
UNDER 275----	2	2	6	5738	4.5	256	1	1	5830	265	1	6802	312
275 - 324----	10	68	165	6391	4.8	304	2	2	6401	299	2	7013	331
325 - 374----	12	46	109	7477	4.8	354	5	2	8117	378	5	7999	370
375 - 424----	6	46	96	8216	4.8	389	3	5	8211	358	3	8718	364
425 - 474----	1	1	4	9503	4.5	431							
475 - 524----	1	1	3	8453	5.8	487							
HOLSTEIN													
UNDER 275----	12	12	20	6653	3.5	233	4	1	8430	315	3	9221	339
275 - 324----	18	28	44	8358	3.6	302	9	1	10041	369	9	10087	373
325 - 374----	34	200	389	9737	3.7	352	22	3	10861	394	19	11129	406
375 - 424----	66	634	1237	10984	3.7	401	45	6	11212	411	42	11412	422
425 - 474----	35	101	172	12253	3.7	447	24	3	11572	423	21	11729	431
475 - 524----	31	85	157	13277	3.7	491	24	2	11973	434	21	12066	444
525 - 574----	9	11	19	14170	3.9	544	5	1	13590	496	5	13077	483
575 - 624----	7	8	21	16505	3.7	604	3	1	12908	494	3	12274	460
625 - OVER----	5	7	12	16364	4.0	650	2	1	12375	439	2	11824	434
JERSEY													
UNDER 275----	4	4	6	4172	4.8	204	2	1	5005	237	1	6453	303
275 - 324----	5	21	48	5635	5.2	292	2	7	6777	343	2	7197	365
325 - 374----	12	113	238	6950	5.0	346	8	4	7554	376	6	7340	358
375 - 424----	9	66	149	7305	5.4	389	7	3	7341	377	7	7938	394
425 - 474----	2	2	3	9158	5.0	436	2	1	10710	530	1	8796	417
475 - 524----	2	2	2	9340	5.4	502	1	1	6210	331			
625 - OVER----	1	2	2	16125	5.0	705	1	2	7540	390			
BROWN SWISS													
UNDER 275----	2	3	5	4150	4.6	184	1	2	5325	278			
275 - 324----	1	2	2	7625	4.3	323							
425 - 474----	1	1	1	10630	4.1	440							
ALL BREEDS													
UNDER 275----	20	21	37	5815	4.0	225	8	1	6861	278	5	8184	326
275 - 324----	36	136	289	7321	4.2	301	13	2	8978	354	13	9169	365
325 - 374----	67	431	858	8642	4.2	351	41	3	9564	383	38	9518	382
375 - 424----	89	786	1543	10310	4.0	398	60	6	10501	404	57	10720	415
425 - 474----	40	110	185	11940	3.8	447	27	3	11454	430	23	11587	431
475 - 524----	34	88	162	12904	3.9	492	25	2	11743	430	21	12066	444
525 - 574----	9	11	19	14170	3.9	544	5	1	13590	496	5	13077	483
575 - 624----	7	8	21	16505	3.7	604	3	1	12908	494	3	12274	460
625 - OVER----	6	9	14	16324	4.2	659	3	1	10763	422	2	11824	434

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUP 60 ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES	CONTEMPORARY DAUS.	MILK LB.	AV. FAT LB.	YEARLY SIRES	HERD MILK	AVERAGE FAT LB.
AYRSHIRE													
UNDER 275----	10	18	32	6096	3.9	233	6	2	7710	309	4	7070	281
275 - 324----	11	30	58	7679	3.9	301	10	2	0647	345	9	8792	347
325 - 374----	10	34	53	8970	4.0	355	9	3	8364	337	7	8743	348
375 - 424----	12	43	57	9732	4.1	397	8	4	9335	361	7	8643	341
425 - 474----	3	7	8	11366	4.0	449	3	2	8397	336	3	8632	345
475 - 524----	1	2	2	10815	4.4	478	1	1	11220	394	1	11163	405
GUERNSEY													
UNDER 275----	3	4	5	5363	4.8	252	3	1	6982	333	3	7243	339
275 - 324----	15	54	106	6580	4.7	308	11	4	8245	365	10	7918	354
325 - 374----	36	233	497	7383	4.8	350	32	6	8386	375	31	8133	367
375 - 424----	26	89	207	8409	4.8	396	19	4	8787	393	19	8101	376
425 - 474----	10	16	43	9925	4.5	444	5	1	8469	393	5	7909	370
475 - 524----	4	5	10	10729	4.6	481	3	1	8958	408	2	9521	407
HOLSTEIN													
UNDER 275----	12	12	15	6980	3.6	250	9	1	8981	334	8	9304	348
275 - 324----	20	39	69	8790	3.5	302	15	1	9553	352	15	9865	361
325 - 374----	41	359	750	9882	3.6	356	36	8	10457	374	34	10695	385
375 - 424----	83	1797	3331	10902	3.7	400	79	21	11037	405	78	11036	406
425 - 474----	62	595	1017	12259	3.7	447	59	9	11444	423	59	11586	425
475 - 524----	31	495	799	13682	3.7	500	30	16	12556	470	30	12994	476
525 - 574----	13	26	39	14370	3.8	540	11	2	12983	472	10	13244	472
575 - 624----	4	5	5	15149	3.9	590	4	1	14178	505	4	13553	486
JERSEY													
UNDER 275----	1	1	1	4230	5.0	214							
275 - 324----	13	44	73	6000	5.0	303	8	3	6726	325	8	7073	339
325 - 374----	22	148	259	6894	5.1	351	18	5	7629	374	19	7540	367
375 - 424----	20	175	303	7871	5.1	396	18	7	7588	375	18	7487	370
425 - 474----	5	10	17	8666	5.2	447	4	1	8557	419	4	8146	400
475 - 524----	3	3	3	9587	5.3	501	1	1	11260	552	1	11129	570
BROWN SWISS													
UNDER 275----	1	1	1	5350	4.5	241							
275 - 324----	5	7	8	7242	4.2	300	4	2	7953	331	4	8130	340
325 - 374----	3	10	20	8512	4.1	343	2	3	8599	349	3	9599	365
375 - 424----	4	9	10	9611	4.1	395	3	1	8305	337	1	7761	319
425 - 474----	2	2	4	10289	4.4	448	1	1	7900	324	1	7532	344
475 - 524----	3	4	6	12030	4.2	506	1	1	7920	357	2	9233	364
525 - 574----	1	1	1	14630	3.8	562							
625 - OVER--	1	1	3	15643	4.1	639							
ALL BREEDS													
UNDER 275----	27	36	54	6311	3.9	242	18	1	8224	325	15	8339	328
275 - 324----	64	174	314	7394	4.2	303	48	2	8460	347	46	8596	351
325 - 374----	112	784	1579	8374	4.3	353	97	6	9017	370	96	9026	371
375 - 424----	145	2113	3908	9904	4.1	398	127	15	10040	395	123	9901	392
425 - 474----	82	630	1089	11674	3.9	447	72	8	10901	415	72	10960	415
475 - 524----	42	509	820	12922	3.9	498	36	13	12054	462	36	12490	467
525 - 574----	14	27	40	14389	3.8	541	11	2	12983	472	10	13244	472
575 - 624----	4	5	5	15149	3.9	590	4	1	14178	505	4	13553	486
625 - OVER--	1	1	3	15643	4.1	639							

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRDUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
275 - 324---	1	2	3	7348	4.3	309							
425 - 474---	1	1	1	9330	4.7	441							
GUERNSEY													
UNDER 275---	5	13	22	5597	4.6	255	4	3	7378	324	2	7744	343
275 - 324---	5	64	100	6548	4.7	310	3	10	8077	354	3	7651	342
325 - 374---	18	216	424	7472	4.6	344	16	6	8232	373	12	7877	347
375 - 424---	7	17	38	8555	4.7	400	4	2	7847	358	4	7720	355
425 - 474---	6	6	10	9854	4.7	456	4	1	9287	415	2	9415	374
HOLSTEIN													
UNDER 275---	8	8	8	6360	3.4	213	6	1	8140	290	5	8596	319
275 - 324---	7	7	7	8743	3.5	303	5	1	9836	356	4	8875	334
325 - 374---	9	54	70	9587	3.6	344	6	8	9824	365	4	10046	361
375 - 424---	26	484	804	10908	3.7	397	23	18	10735	393	20	10913	392
425 - 474---	18	124	201	12474	3.6	444	15	7	11592	424	12	11089	406
475 - 524---	8	9	13	14709	3.4	492	6	1	12798	455	3	9830	360
525 - 574---	5	6	9	15058	3.6	543	3	1	14588	508	2	14606	495
575 - 624---	3	3	7	17033	3.6	606	3	1	13144	462	3	13102	459
JERSEY													
UNDER 275---	2	5	6	4243	5.1	219							
275 - 324---	3	7	10	5633	5.4	299	1	3	8142	395	1	7625	387
325 - 374---	7	31	56	6849	5.1	344	3	3	7477	357	4	8069	377
375 - 424---	5	10	16	7985	5.2	412	2	3	8744	400	2	7989	365
425 - 474---	2	8	8	8375	5.3	443	1	7	9677	499	1	8159	429
BROWN SWISS													
275 - 324---	1	3	3	7907	3.7	312	1	2	10525	428	1	11020	402
325 - 374---	1	1	1	11580	3.1	358	1	1	11240	398	1	11565	440
375 - 424---	3	44	96	9923	4.0	402	2	9	9818	395	2	9403	373
425 - 474---	5	107	278	11588	4.0	461	4	6	9724	386	4	10429	416
475 - 524---	1	1	1	12850	3.8	492	1	1	10550	411	1	11565	440
625 - OVER---	1	1	1	14890	4.2	632	1	1	9390	367	1	9145	359
ALL BREEDS													
UNDER 275---	15	26	36	5824	4.0	228	10	2	7855	304	7	8353	326
275 - 324---	17	83	123	7417	4.2	305	16	4	9208	367	9	8566	350
325 - 374---	35	302	551	8009	4.4	344	26	6	8628	370	21	8502	360
375 - 424---	41	555	954	10077	4.1	399	31	14	10174	389	28	10140	385
425 - 474---	32	246	498	11490	4.0	449	24	6	10816	419	19	10620	406
475 - 524---	9	10	14	14502	3.4	492	9	1	12548	450	4	10264	380
525 - 574---	5	6	9	15058	3.6	543	3	1	14588	508	2	14606	495
575 - 624---	3	3	7	17033	3.6	606	3	1	13144	462	3	13102	459

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUP 10 ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
							SIRES NO.	DAUS. NO.	MILK LB.				
AYRSHIRE													
UNDER 275----	2	2	2	6720	3.7	247	1	1	8910	342			
275 - 324----	4	5	9	7560	4.0	300	2	2	9566	331			
325 - 374----	3	7	17	9005	4.0	353	3	2	7652	297	3	7508	315
375 - 424----	1	1	3	9673	3.9	382	1	1	12490	464			
425 - 474----	1	2	3	11760	4.1	474	1	2	9438	377	1	9941	365
GUERNSEY													
UNDER 275----	8	17	24	5480	4.6	250	8	2	9024	355	8	8449	335
275 - 324----	13	50	94	6371	4.7	300	12	3	8154	335	12	7636	308
325 - 374----	13	76	141	7299	4.8	348	12	5	9289	370	11	8765	351
375 - 424----	5	30	57	7929	4.9	386	5	5	9358	394	5	8750	367
425 - 474----	2	6	8	9145	4.9	446	1	5	10047	379	1	9294	385
475 - 524----	1	1	3	11100	4.6	510	1	1	9177	441	1	8759	414
HOLSTEIN													
UNDER 275----	10	14	21	6368	3.7	234	7	1	8933	328	5	9061	335
275 - 324----	14	41	66	8260	3.7	302	12	2	8892	324	12	8895	325
325 - 374----	30	212	384	9760	3.7	351	28	7	10191	384	25	9813	371
375 - 424----	36	351	603	10954	3.7	400	32	10	10515	399	32	10202	392
425 - 474----	32	125	186	12282	3.7	451	27	4	11757	439	26	10984	417
475 - 524----	25	77	118	13854	3.6	500	21	3	12511	457	19	12070	448
525 - 574----	14	21	46	15081	3.7	551	15	1	12834	488	11	12211	458
575 - 624----	8	11	13	16403	3.7	600	8	1	12447	472	7	12509	477
625 - OVER----	5	6	6	18523	3.8	699	5	1	13810	524	4	13459	503
JERSEY													
UNDER 275----	5	6	9	4663	4.7	207	1	1	4970	206	2	8671	416
275 - 324----	9	43	78	6037	5.0	298	6	2	7143	354	6	8072	373
325 - 374----	16	140	230	7015	5.0	351	11	5	7713	384	11	8101	385
375 - 424----	14	99	199	7953	5.1	400	11	4	8054	389	11	8013	389
425 - 474----	12	67	83	8671	5.1	443	9	5	8330	417	9	8428	415
475 - 524----	2	3	4	8864	5.4	478	1	1	9700	448			
BROWN SWISS													
UNDER 275----	1	3	3	5510	4.2	234							
275 - 324----	5	6	7	6906	4.4	301	2	1	10695	438			
325 - 374----	1	1	1	8770	3.8	333	1	1	8150	325			
375 - 424----	8	17	26	9879	4.1	403							
425 - 474----	6	8	11	11772	3.8	443	3	1	12850	476	2	12982	517
475 - 524----	3	5	8	11818	4.2	497	1	1	11760	483			
525 - 574----	2	2	4	13415	4.1	542							
ALL BREEDS													
UNDER 275----	26	42	59	5761	4.2	235	17	2	8741	334	15	8689	346
275 - 324----	45	145	254	7057	4.3	300	34	2	8469	343	30	8227	328
325 - 374----	63	436	773	8503	4.3	350	55	5	9323	375	50	9068	366
375 - 424----	64	498	888	9907	4.1	399	49	8	9885	398	46	9549	389
425 - 474----	53	208	291	11278	4.1	448	41	4	10986	434	39	10426	420
475 - 524----	31	86	133	13247	3.8	498	24	3	12224	457	20	11904	447
525 - 574----	16	23	50	14872	3.7	550	13	1	12834	488	11	12211	458
575 - 624----	8	11	13	16403	3.7	600	8	1	12447	472	7	12509	477
625 - OVER----	5	6	6	18523	3.8	699	5	1	13810	524	4	13459	503

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUGHTERS NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 275----	2	3	5	6603	3.9	256							
275 - 324----	2	2	2	7460	4.2	308							
325 - 374----	3	3	3	8623	4.0	339							
375 - 424----	1	1	1	10380	3.9	403							
GUERNSEY													
UNDER 275----	12	14	18	5516	4.3	234	8	1	7884	350	4	6898	296
275 - 324----	20	35	58	6561	4.7	304	15	2	7625	348	12	7438	342
325 - 374----	21	97	223	7805	4.6	353	19	5	8497	387	18	8080	374
375 - 424----	21	99	214	8751	4.5	393	17	5	8788	397	17	8412	388
425 - 474----	9	23	64	9847	4.6	446	9	2	8844	400	7	8136	367
475 - 524----	2	2	6	10202	4.9	496	2	1	9639	432	2	9315	424
HOLSTEIN													
UNDER 275----	10	10	10	6988	3.5	242	6	1	8446	341	3	7329	302
275 - 324----	15	21	42	8623	3.5	299	10	1	8790	334	8	8291	325
325 - 374----	17	38	67	10020	3.5	349	15	2	9187	365	13	8495	349
375 - 424----	25	45	104	11128	3.6	460	22	2	9302	371	17	8507	347
425 - 474----	18	26	45	11972	3.8	448	16	1	10977	431	17	10088	414
475 - 524----	14	26	36	13066	3.8	497	10	2	11633	452	10	10590	441
525 - 574----	5	17	18	15632	3.6	556	5	3	12334	461	5	11198	452
575 - 624----	1	3	3	16647	3.7	604	1	3	12163	472	1	11841	490
625 - OVER--	1	1	1	17230	3.7	639	1	1	10610	442	1	12491	542
JERSEY													
UNDER 275----	5	6	6	5082	4.9	244	3	1	7313	365	2	6748	326
275 - 324----	7	14	24	6196	4.9	301	4	2	7531	350	3	7814	384
325 - 374----	27	168	388	6987	5.1	355	18	5	7841	394	17	7604	378
375 - 424----	30	295	627	7794	5.1	392	24	6	8224	411	23	8001	402
425 - 474----	10	32	74	9319	4.8	444	6	3	8494	410	5	8062	398
475 - 524----	5	18	26	9465	5.3	500	4	3	8447	434	2	7910	402
525 - 574----	2	2	3	10205	5.4	550	1	1	9920	446			
575 - 624----	1	1	1	9720	6.0	587	1	1	9180	502	1	7695	412
BROWN SWISS													
UNDER 275----	1	1	1	6890	3.8	263							
325 - 374----	4	10	12	8553	4.2	353	1	1	8570	329			
375 - 424----	3	4	5	10971	3.7	400							
425 - 474----	3	3	3	11467	4.1	463	2	1	10955	440	2	8785	360
475 - 524----	2	2	2	11670	4.5	519	1	1	10640	432	1	8785	360
525 - 574----	2	2	3	11890	4.7	550							
ALL BREEDS													
UNDER 275----	30	34	40	6052	4.1	241	19	1	8031	349	9	7068	305
275 - 324----	44	72	126	7247	4.3	302	29	2	8013	343	23	7784	342
325 - 374----	72	316	693	8097	4.5	352	53	4	8471	382	48	8024	369
375 - 424----	80	444	951	9239	4.4	398	63	4	8753	393	57	8275	382
425 - 474----	40	84	186	10793	4.2	448	35	2	10002	420	31	9236	398
475 - 524----	23	48	70	11913	4.3	500	17	2	10602	444	15	9942	428
525 - 574----	9	21	24	13595	4.2	553	6	3	11932	458	5	11198	452
575 - 624----	2	4	4	13184	4.9	596	2	2	10672	487	2	9768	451
625 - OVER--	1	1	1	17230	3.7	639	1	1	10610	442	1	12491	542

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERs NO.	RECORDs NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HERD AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 275----	1	2	2	6305	4.4	273	1	2	6860	264			
275 - 324----	1	1	1	8120	3.7	304							
375 - 424----	1	2	6	10503	3.8	406	1	1	9343	357	1	8306	326
GUERNSEY													
UNDER 275----	5	5	7	5098	4.8	240	2	1	7260	322	2	6464	292
275 - 324----	9	45	95	6660	4.6	301	8	4	6137	362	5	7707	338
325 - 374----	11	103	177	7315	4.7	344	11	8	9060	398	11	8881	379
375 - 424----	13	74	153	8081	4.8	389	11	4	8596	383	10	8280	363
425 - 474----	3	7	14	9606	4.9	462	3	2	8850	413	3	9265	431
HOLSTEIN													
UNDER 275----	7	7	14	6327	3.6	225	4	1	9242	346	3	8655	316
275 - 324----	16	26	41	8589	3.5	302	15	1	10631	388	10	10129	361
325 - 374----	24	77	149	9749	3.6	351	22	3	10844	402	17	10256	382
375 - 424----	49	1447	2962	11103	3.6	400	47	28	11334	413	44	11017	405
425 - 474----	44	585	885	12281	3.7	446	42	13	11860	435	39	11399	415
475 - 524----	17	36	60	13724	3.6	493	17	2	11941	435	16	10701	395
525 - 574----	6	12	22	14754	3.8	543	5	2	13387	480	5	11828	424
575 - 624----	2	3	5	15425	3.8	576	2	2	12660	454	2	11740	435
625 - OVER----	2	2	3	18273	3.8	685	2	1	15845	542	1	10126	380
JERSEY													
UNDER 275----	5	7	8	4141	5.2	216	3	2	5059	259	3	5664	282
275 - 324----	6	26	43	5767	5.2	297	3	4	6714	341	3	7574	377
325 - 374----	14	318	711	6942	5.1	350	11	11	7490	373	10	7687	387
375 - 424----	19	348	626	7638	5.2	394	17	11	8070	406	14	7729	395
425 - 474----	5	58	107	8867	5.1	447	3	10	8685	425	3	8603	428
475 - 524----	3	4	8	8888	5.6	494	3	1	8826	426	3	9218	443
525 - 574----	1	1	4	10000	5.3	531							
BROWN SWISS													
UNDER 275----	2	3	6	5794	4.3	248	2	2	9368	378	2	9328	368
275 - 324----	2	2	7	6628	4.3	291	1	1	9744	362	1	8908	348
325 - 374----	3	9	16	8718	4.1	348	3	2	8449	347	3	8218	336
375 - 424----	13	62	115	9673	4.1	392	12	4	9791	395	9	10313	412
425 - 474----	4	16	23	11100	4.1	448	3	3	11147	448	3	10848	433
475 - 524----	1	1	1	13650	3.8	515	1	1	13340	528	1	11859	462
525 - 574----	2	3	4	13237	4.1	529	1	2	12383	470	1	12497	485
ALL BREEDS													
UNDER 275----	20	24	37	5419	4.4	231	12	1	7688	318	10	7454	311
275 - 324----	34	100	187	7463	4.2	300	27	2	9424	375	19	9024	357
325 - 374----	52	507	1053	8419	4.3	349	47	6	9491	391	41	9111	379
375 - 424----	95	1933	3862	9794	4.2	397	68	18	10129	405	78	9960	398
425 - 474----	56	666	1029	11749	3.9	447	51	12	11455	434	48	11056	418
475 - 524----	21	41	69	13030	3.9	495	21	2	11563	438	20	10537	406
525 - 574----	9	16	30	13888	4.0	539	6	2	13220	479	6	11940	434
575 - 624----	2	3	5	15425	3.8	576	2	2	12660	454	2	11740	435
625 - OVER----	2	2	3	18273	3.8	685	2	1	15845	542	1	10126	380

TABLE 13.--DAUGHTER-AVERAGE OF SIKLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRE NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERO AVERAGE SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	1	1	1	5940	4.4	260							
375 - 424----	1	1	2	9535	4.0	383							
GUERNSEY													
UNDER 275----	10	21	40	5503	4.5	247	1	1	8740	416			
275 - 324----	3	3	4	5855	5.1	298							
325 - 374----	13	55	94	7304	4.8	347	3	1	7820	370	1	9723	427
375 - 424----	3	6	8	8291	5.0	411	2	2	9029	422	1	9842	308
425 - 474----	4	12	17	9508	4.9	448	3	2	8923	450	1	9723	427
475 - 524----	1	1	2	10850	4.4	476	1	1	10000	461	1	9766	493
525 - 574----	1	1	3	11220	4.9	550							
575 - 624----	2	2	5	12318	4.9	599	1	1	9257	449			
HOLSTEIN													
UNDER 275----	5	6	6	6677	3.5	227							
275 - 324----	7	10	20	8264	3.7	300							
325 - 374----	10	14	28	9494	3.7	346							
375 - 424----	35	167	323	11166	3.7	404							
425 - 474----	19	71	127	12235	3.7	447							
475 - 524----	4	11	14	13433	3.7	494							
525 - 574----	3	3	6	13580	4.0	547							
575 - 624----	1	1	1	15310	4.0	616							
JERSEY													
UNDER 275----	6	8	12	4011	4.7	182	1	1	5660	243			
275 - 324----	19	164	373	6034	5.1	308	4	1	7889	417	2	7587	411
325 - 374----	34	244	555	6837	5.2	354	12	2	7477	373	5	7534	364
375 - 424----	20	170	378	7599	5.3	394	7	2	8720	447	3	6971	408
425 - 474----	9	26	36	8583	5.3	451	6	2	8219	427	4	7452	402
475 - 524----	5	9	10	9270	5.4	490	3	2	8621	447	3	7804	412
BROWN SWISS													
275 - 324----	1	1	2	9080	3.4	304							
325 - 374----	1	1	2	9690	3.6	347							
375 - 424----	1	1	1	7380	5.4	399							
625 - OVER--	1	1	1	14120	4.4	625							
ALL BREEDS													
UNDER 275----	22	36	59	5383	4.3	225	2	1	7200	350			
275 - 324----	30	178	399	6638	4.7	305	4	1	7889	417	2	7587	411
325 - 374----	58	314	679	7449	4.8	351	15	2	7545	373	6	7899	375
375 - 424----	60	345	713	9743	4.3	400	9	2	8789	441	4	8189	383
425 - 474----	32	109	180	10842	4.3	448	9	2	8453	428	5	7906	407
475 - 524----	10	21	26	11093	4.6	490	6	2	8851	450	4	8295	433
525 - 574----	4	4	9	12990	4.3	548							
575 - 624----	3	3	6	13315	4.6	605	1	1	9257	449			
625 - OVER--	1	1	1	14120	4.4	625							

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY DAUS. NO.	AV. MILK LB.	FAT LB.	YEARLY SIREs NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDLR 275----	1	1	1	5090	4.6	236							
275 - 324----	2	2	5	7840	3.9	363	1	1	7860	364	1	7979	302
325 - 374----	1	2	2	9515	3.6	336	1	2	7415	260	1	7957	302
375 - 424----	1	1	1	9320	4.0	377	1	1	7240	273	1	7979	307
GUERNSEY													
UNDER 275----	4	5	9	4858	4.6	223	1	1	5210	244	1	5472	259
275 - 324----	9	17	39	6719	4.5	299	2	2	6750	303	1	8295	317
325 - 374----	4	9	20	8270	4.6	344	1	1	5410	243	1	5472	259
375 - 424----	3	5	18	8152	5.0	401	1	1	9820	468	1	10529	483
425 - 474----	3	8	25	9744	4.6	445	1	3	10138	400			
475 - 524----	1	1	3	9247	5.4	497							
525 - 574----	1	1	2	11235	4.9	549							
HOLSTEIN													
UNDER 275----	10	10	14	6931	3.4	235	2	1	8310	316	2	7887	306
275 - 324----	15	22	32	8899	3.4	300	9	1	8166	293	3	9628	356
325 - 374----	20	28	41	10083	3.5	350	14	1	8702	324	7	7026	341
375 - 424----	16	26	32	11558	3.5	398	11	2	9420	367	10	10074	389
425 - 474----	7	13	19	12650	3.5	447	6	2	10228	386	6	9599	373
475 - 524----	4	5	11	13905	3.5	486	2	1	9495	378	2	8867	344
525 - 574----	3	3	3	14427	3.8	544	2	1	14365	515	2	12766	484
JERSEY													
UNDER 275----	14	33	41	4501	4.8	215	4	3	5937	280	5	6766	319
275 - 324----	15	64	118	5902	5.2	303	6	2	7274	354	5	7737	353
325 - 374----	13	64	139	7135	4.9	345	7	2	8356	399	6	8495	390
375 - 424----	8	11	19	8057	4.9	393	5	2	7941	363	2	8602	400
425 - 474----	5	8	11	8886	5.1	453	3	2	8073	392	2	8194	386
475 - 524----	1	5	7	9644	4.9	476	1	2	9565	436	1	10453	436
525 - 574----	1	1	1	10130	5.3	532							
BROWN SWISS													
UNDER 275----	2	2	2	5415	4.2	227							
275 - 324----	1	1	2	8445	3.7	309							
325 - 374----	2	2	2	9185	3.8	339							
375 - 424----	2	2	2	9710	4.1	394					2	8055	307
ALL BREEDS													
UNDLR 275----	31	51	67	5409	4.3	224	7	2	6511	285	6	6924	305
275 - 324----	42	106	196	7300	4.3	301	18	2	7695	315	10	8364	345
325 - 374----	40	105	204	8785	4.1	347	23	1	8519	342	17	8567	351
375 - 424----	31	45	72	10023	4.1	396	10	2	8910	372	16	9535	381
425 - 474----	15	29	55	10814	4.3	448	10	2	9577	389	6	9248	376
475 - 524----	6	11	21	12452	4.1	486	3	1	9518	397	3	9396	374
525 - 574----	5	5	6	12929	4.3	543	2	1	14365	515	2	12966	484

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275---	1	1	1	2370	3.6	56	1	1	4580	154			
275 - 324---	2	2	2	7415	4.2	305	1	1	7260	314	1	7935	341
325 - 374---	1	3	4	9552	4.0	380							
425 - 474---	2	2	3	10493	4.1	428	1	1	7200	312	1	7935	341
GUERNSEY													
UNDER 275---	11	16	25	5324	4.3	239	6	1	7785	358	2	6667	298
275 - 324---	14	21	35	6547	4.5	296	12	2	7500	341	10	6403	291
325 - 374---	16	23	47	7458	4.7	349	11	1	7767	369	8	7664	347
375 - 424---	6	19	36	7854	5.1	396	5	3	7626	369	3	6017	290
425 - 474---	4	5	19	9350	4.9	448	4	1	8385	391	4	8955	407
475 - 524---	2	3	5	10357	4.7	466	1	2	8255	418			
525 - 574---	1	1	3	12187	4.7	573	1	1	10665	466	1	8399	396
HOLSTEIN													
UNDER 275---	4	4	5	6519	3.7	241	4	1	7948	321	3	7437	311
275 - 324---	3	3	3	9460	3.3	314	3	1	8530	331	1	8807	311
325 - 374---	11	16	34	9811	3.6	352	11	1	9692	370	6	7576	306
375 - 424---	10	25	44	11216	3.5	373	10	3	10055	375	7	9799	367
425 - 474---	3	5	9	11835	3.8	445	3	2	11983	458	2	10849	413
475 - 524---	3	6	6	13136	3.8	495	3	2	13067	498	3	11383	442
525 - 574---	1	1	2	15110	3.6	557	1	1	13885	471	1	13048	468
JERSEY													
UNDER 275---	6	16	23	4650	5.1	233		2	6103	308	2	5270	270
275 - 324---	22	128	225	5977	5.1	361	17	3	6832	337	12	6405	318
325 - 374---	29	177	334	6646	5.2	344	25	4	6867	345	20	6941	342
375 - 424---	12	29	58	7716	5.2	395	10	2	7806	394	9	6721	350
425 - 474---	5	18	30	8412	5.3	439	4	4	7885	404	3	7102	367
475 - 524---	1	1	1	9670	4.9	475	1	1	9400	422	1	10737	511
525 - 574---	1	1	1	10530	5.1	534	1	1	8370	428	1	7717	404
BROWN SWISS													
275 - 324---	1	1	1	6110	4.5	278							
375 - 424---	1	1	3	10203	3.8	382							
425 - 474---	1	2	4	12427	3.7	462							
475 - 524---	2	2	6	11759	4.1	465							
ALL BREDS													
UNDER 275---	22	37	54	5324	4.4	231	14	1	7242	322	7	6655	296
275 - 324---	42	155	266	6487	4.7	300	33	2	7243	337	24	6568	307
325 - 374---	56	216	415	7500	4.8	347	47	3	7785	357	34	7223	337
375 - 424---	30	77	145	9054	4.5	393	25	2	8661	381	19	7838	347
425 - 474---	15	32	65	9892	4.6	442	12	2	9019	401	10	8676	389
475 - 524---	8	12	18	11663	4.2	467	5	2	11471	467	4	11222	459
525 - 574---	3	3	6	12609	4.5	548	3	1	10980	455	3	9721	423

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERs NO.	RECORDs NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD SIREs NO.	AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
275 - 324----	1	1	1	6730	4.2	281	1	1	9350	376			
GOLKENSLEY													
UNDER 275----	4	6	8	5464	3.8	207							
275 - 324----	5	8	12	6694	4.6	308	2	2	8190	347	1	3964	374
325 - 374----	5	17	27	7610	4.7	353	1	1	8110	411	1	8077	395
375 - 424----	6	8	11	8023	5.0	390	2	1	9230	410			
425 - 474----	3	3	3	10493	4.3	443	1	1	8930	396			
475 - 524----	1	1	1	9100	5.3	452							
625 - OVER--	1	1	1	15350	4.7	715							
HOLSTEIN													
UNDER 275----	4	5	6	3350	3.4	110	4	1	4568	187			
275 - 324----	3	3	3	9470	3.3	311	2	1	7085	290			
325 - 374----	3	3	5	9117	3.3	342	5	1	10218	359	1	9050	306
375 - 424----	6	14	19	10970	3.9	395	2	1	10271	370	2	12494	446
425 - 474----	2	5	7	11681	3.7	436	6	3	11703	423	2	9554	342
475 - 524----	5	5	8	13900	3.6	490	4	1	11409	408	1	6502	399
525 - 574----	1	1	1	15400	3.4	528	1	1	12320	440	1	12470	448
575 - 624----	1	2	2	17845	3.4	576	1	2	12155	437			
625 - OVER--	1	1	1	20320	3.7	760							
JERSEY													
UNDER 275----	3	3	3	4453	5.0	224							
275 - 324----	5	20	42	5625	5.3	297	2	2	7242	364	1	5963	349
325 - 374----	10	21	37	6543	5.4	350	5	1	7099	367	1	6922	365
375 - 424----	6	20	37	7576	5.1	308	6	2	8967	368	1	7924	409
425 - 474----	3	5	17	8245	5.3	451	1	1	8750	427			
575 - 624----	1	3	11	10433	5.6	586							
BROWN SWISS													
325 - 374----	2	3	7	8330	4.4	356							
375 - 424----	1	1	1	9140	4.4	403							
475 - 524----	1	3	6	12498	4.0	494							
M. SHORTHORN													
UNDER 275----	4	10	10	6565	3.7	237	4	3	6729	260	2	7489	376
275 - 324----	1	2	2	8470	3.8	318	1	1	9000	345	1	9538	375
ALL BREEDS													
UNDER 275----	15	24	27	4992	3.9	192	6	2	5648	233	2	7469	376
275 - 324----	15	34	60	7014	4.5	304	8	2	7923	345	3	6493	366
325 - 374----	20	44	76	7375	4.8	350	9	1	8251	370	3	8019	355
375 - 424----	19	43	68	8903	4.6	393	14	2	8661	375	3	10744	434
425 - 474----	8	13	27	9997	4.6	444	4	2	10271	417	2	9554	342
475 - 524----	7	9	15	13014	3.9	489	4	1	11409	408	1	6502	399
525 - 574----	1	1	1	15400	3.4	528	1	1	12320	440	1	12470	448
575 - 624----	2	5	13	14139	4.5	591	1	2	12155	437			
625 - OVER--	2	2	2	17635	4.2	738							

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUP D ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
GUERNSEY													
UNDER 275----	7	13	37	5023	4.5	223	4	2	6857	319	4	6476	303
275 - 324----	12	42	103	6537	4.6	301	11	2	6877	324	9	6430	303
325 - 374----	6	11	21	7265	4.8	344	5	1	7409	351	4	6432	301
375 - 424----	2	12	42	7978	5.0	397	2	4	7943	375	2	6088	294
425 - 474----	1	1	1	9770	4.4	434	1	1	6910	316	1	6387	311
HOLSTEIN													
UNDER 275----	1	1	1	6170	3.6	224	1	1	10210	369			
275 - 324----	10	23	55	8732	3.5	305	9	2	8678	326	9	8485	323
325 - 374----	10	39	89	9872	3.6	352	7	4	8421	327	7	8093	313
375 - 424----	7	10	19	10725	3.6	396	5	1	10742	397	3	9310	341
425 - 474----	6	7	11	12168	3.7	450	3	1	11270	420	2	10584	366
475 - 524----	2	2	2	12905	3.6	494	2	1	12150	439	2	13156	477
525 - 574----	2	2	4	15878	3.5	552	1	1	13160	476	1	11876	414
575 - 624----	1	1	1	15490	3.9	610	1	1	14366	518	1	10595	350
625 - OVER----	1	1	1	15720	4.6	731							
JERSEY													
UNDER 275----	8	20	35	4632	5.1	237	5	1	5921	298	4	5263	260
275 - 324----	13	66	106	5896	5.1	278	11	3	7362	372	6	6120	310
325 - 374----	12	55	104	6658	5.3	351	7	3	7195	364	3	6860	349
375 - 424----	8	24	51	7670	5.2	394	2	2	7877	402	1	6605	326
425 - 474----	1	1	1	7920	5.5	435	1	1	6830	348			
525 - 574----	1	1	1	9830	5.6	550	1	1	8480	428			
BROWN SWISS													
UNDER 275----	1	1	2	5930	4.3	251							
325 - 374----	1	1	2	8785	4.1	362							
375 - 424----	3	5	14	10009	4.0	395							
ALL BREEDS													
UNDER 275----	17	35	75	4960	4.7	231	10	1	6724	313	8	5870	281
275 - 324----	35	131	264	6926	4.5	301	31	3	7579	342	24	7123	312
325 - 374----	29	106	216	7765	4.6	350	19	3	7703	347	16	7293	321
375 - 424----	20	51	126	9191	4.4	395	9	2	9483	393	6	7785	323
425 - 474----	8	9	13	11337	4.0	446	5	1	9510	385	3	9185	348
475 - 524----	2	2	2	12905	3.8	494	2	1	12180	439	2	13156	477
525 - 574----	3	3	5	13362	4.2	551	2	1	10820	452	1	11876	414
575 - 624----	1	1	1	15490	3.9	610	1	1	14366	518	1	10595	350
625 - OVER----	1	1	1	15720	4.6	731							

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATION--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HLRD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 275---	3	3	6	5912	4.1	241	2	1	8895	368	2	9363	379
275 - 324---	1	2	4	8443	3.8	319							
325 - 374---	5	10	16	7965	4.3	342	4	1	8653	349	4	8736	348
375 - 424---	2	5	5	9258	4.4	411							
425 - 474---	6	10	10	10526	4.2	442	2	2	10575	408	1	8262	325
525 - 574---	1	2	2	12600	4.4	550							
GULRNSEY													
UNDER 275---	2	3	6	5076	4.7	236	1	1	10145	498	1	8508	378
275 - 324---	3	10	20	6147	4.8	297	2	2	6988	344	1	7456	342
325 - 374---	3	3	8	7840	4.5	345	2	1	8525	362	1	7865	355
375 - 424---	3	6	11	8226	4.9	399	1	1	8620	441			
425 - 474---	4	7	12	9254	4.9	442	2	2	8350	426	1	7535	381
475 - 524---	1	1	1	9640	5.0	478							
525 - 574---	1	1	2	8575	6.5	559	1	1	7740	563	1	10322	484
HOLSTEIN													
UNDER 275---	1	1	1	6470	2.9	189							
275 - 324---	2	2	4	7414	4.0	292	1	1	11290	390	1	11303	407
325 - 374---	7	9	15	9774	3.6	353	6	1	11047	405	6	10110	364
375 - 424---	8	35	67	11184	3.6	398	7	3	12135	429	7	11465	406
425 - 474---	11	46	78	12632	3.6	454	10	4	12203	439	9	12056	435
475 - 524---	16	71	106	13466	3.8	501	14	5	12650	459	12	12480	460
525 - 574---	9	18	28	14537	3.8	546	7	2	11947	471	7	11475	460
575 - 624---	3	4	6	15007	3.9	583	3	1	11473	446	3	10751	458
625 - OVER--	5	7	10	16615	4.0	662	5	1	14655	523	4	16165	592
JERSEY													
UNDER 275---	6	8	10	4956	5.0	242	3	1	5807	308	2	6202	286
275 - 324---	6	14	27	6056	5.2	311	3	1	5777	314	2	7414	395
325 - 374---	9	23	45	6941	5.1	351	3	1	7633	395	3	6032	408
375 - 424---	7	16	17	7747	5.3	403	4	2	8070	436	2	6873	373
425 - 474---	4	5	9	9210	4.9	453							
475 - 524---	2	2	2	9880	5.0	493	1	1	8130	404			
BROWN SWISS													
UNDER 275---	1	1	1	4870	4.0	193							
275 - 324---	3	3	3	7470	4.1	304	1	1	7400	298	1	10769	436
325 - 374---	2	3	5	8677	4.2	360							
375 - 424---	5	6	6	9916	4.1	401	1	1	9940	405	1	9385	361
425 - 474---	3	3	5	11088	4.1	448	2	1	9185	375	1	8589	349
575 - 624---	1	1	2	13965	4.4	603	1	1	12535	513	1	11380	493
M. SHORTHORN													
UNDER 275---	2	6	11	6464	4.1	258	2	2	5770	218	2	4949	191
325 - 374---	1	1	1	8040	4.0	325							
ALL BREEDS													
UNDER 275---	15	22	35	5459	4.4	236	8	1	7112	324	7	7082	299
275 - 324---	15	31	58	6697	4.6	305	7	1	7142	331	5	8671	395
325 - 374---	27	49	90	8134	4.4	349	15	1	9369	362	14	9112	368
375 - 424---	25	68	106	9459	4.4	402	13	3	10445	430	10	10353	395
425 - 474---	28	71	114	11044	4.2	449	16	3	11140	425	12	11074	414
475 - 524---	19	74	109	12887	4.0	499	15	4	12349	455	12	12460	460
525 - 574---	11	21	32	13819	4.1	546	8	2	11421	460	8	11331	463
575 - 624---	4	5	8	14746	4.1	588	4	1	11758	463	4	10908	452
625 - OVER--	5	7	10	16615	4.0	662	5	1	14655	523	4	16165	592

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275---	2	2	4	6604	3.8	2.58							
275 - 324---	2	2	4	10634	3.9	4.12							
325 - 374---	1	1	1	13740	4.2	5.83	1	1	5640	209	1	10033	425
GUERNSEY													
UNDER 275---	1	1	1	4710	3.0	2.44							
275 - 324---	3	4	4	6492	4.5	2.94	2	1	10190	412			
325 - 374---	9	19	186	7339	4.6	3.54	9	6	3974	404	7	2113	357
375 - 424---	5	19	38	8593	4.7	3.71	5	3	6638	381	4	2165	370
425 - 474---	4	4	11	9503	4.9	4.52	1	1	12150	538	1	11630	511
475 - OVER---	1	1	1	14900	4.3	6.47							
HOLSTEIN													
UNDER 275---	5	5	5	6760	3.2	2.16	1	1	6650	233	1	11314	411
275 - 324---	5	6	13	8630	3.5	3.05	3	1	10322	364	3	9997	394
325 - 374---	19	26	52	10127	3.5	3.55	14	1	11415	417	12	10030	362
375 - 424---	34	82	170	11177	3.6	3.75	29	2	11613	416	24	10590	394
425 - 474---	54	528	604	12470	3.6	4.51	48	6	12251	442	39	10767	403
475 - 524---	32	107	169	13669	3.6	4.73	30	3	12770	464	26	12008	439
525 - 574---	21	41	65	14767	3.7	5.35	20	2	13363	495	17	11449	421
575 - 624---	7	16	24	16197	3.7	5.75	7	2	15509	559	5	13007	464
625 - OVER---	5	5	8	18449	3.9	7.30	5	1	13045	499	2	13518	532
JERSEY													
UNDER 275---	3	3	3	3685	3.0	1.83	1	1	6030	300			
275 - 324---	12	30	51	6153	3.0	3.09	0	2	7125	343	4	7394	358
325 - 374---	25	142	337	6894	3.0	3.45	19	3	7659	373	11	7368	350
375 - 424---	26	202	412	7842	3.1	4.01	20	4	7845	402	12	7584	359
425 - 474---	13	72	126	8493	3.3	4.45	5	5	8449	429	6	7937	395
475 - 524---	6	35	64	9449	3.3	5.00	3	4	8423	443	4	8445	400
575 - 624---	1	1	1	11760	3.7	6.07	1	1	9770	515			
BROWN SWISS													
UNDER 275---	9	11	11	4608	3.9	1.78	0	1	4416	162	2	6044	224
275 - 324---	3	4	4	7345	4.2	3.05	2	1	12110	475	1	11227	462
325 - 374---	2	3	3	9405	4.0	3.67	1	1	11515	452	2	7913	311
375 - 424---	5	6	8	10675	3.7	3.74	3	1	8048	315	2	9632	368
425 - 474---	7	7	7	11229	4.1	4.55	6	1	11362	443	4	8742	349
475 - 524---	4	8	8	12785	3.9	4.74	4	2	11601	457	4	8261	323
525 - 574---	2	2	2	14540	3.8	5.42	1	1	11665	452	1	7913	311
575 - 624---	1	1	1	16620	3.5	6.15	1	1	11950	466	1	7913	311
M. SHORTHORN													
275 - 324---	1	1	1	7270	4.4	3.0							
425 - 474---	1	1	1	9290	4.7	4.34							
ALL BREEDS													
UNDER 275---	70	22	24	5242	3.9	2.00	0	1	4890	109	3	7801	286
275 - 324---	24	45	73	6907	4.5	3.06	15	2	3858	378	6	8849	384
325 - 374---	55	252	578	8208	4.4	3.50	44	3	9290	397	32	8563	361
375 - 424---	72	311	632	9731	4.2	3.97	57	3	9842	403	42	9466	382
425 - 474---	79	412	749	11505	4.0	4.50	63	5	11662	442	50	10265	399
475 - 524---	42	150	241	13134	3.9	4.74	39	3	12157	460	34	11151	421
525 - 574---	23	43	67	14766	3.7	5.45	22	2	13203	469	10	11252	415
575 - 624---	10	19	27	15490	3.9	5.96	10	2	13592	510	7	11662	457
625 - OVER---	6	6	9	17857	4.0	7.16	5	1	13045	499	2	13518	532

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY SIREs NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HERD MILK LB.	AVERAGE FAT LB.
GUERNSEY													
UNDER 275----	1	4	10	4776	5.3	265	1	4	6823	310			
275 - 324----	4	9	27	6315	4.6	363	4	2	7792	369	1	6971	386
325 - 374----	4	10	36	7600	4.7	352	4	2	9949	420	4	9654	428
375 - 424----	1	2	3	6995	5.6	378	1	2	11543	303	1	7270	358
425 - 474----	2	2	6	7754	5.3	442	2	1	7900	503	1	7757	493
475 - 524----	1	1	1	11060	4.4	466							
HOLSTEIN													
275 - 324----	3	3	4	9103	3.4	305	1	1	11620	407			
325 - 374----	2	2	3	10475	3.4	347	2	1	11245	394	1	10202	341
375 - 424----	10	179	367	11748	3.5	407	10	17	12956	437	7	12155	423
425 - 474----	15	135	311	12665	3.6	450	15	3	13099	473	11	12662	443
475 - 524----	13	69	117	13727	3.6	490	13	5	13479	431	10	13559	469
525 - 574----	3	4	5	13918	3.6	533	2	2	14300	421			
575 - 624----	1	1	1	16030	3.9	621	1	1	12346	426	1	13505	462
JERSEY													
375 - 424----	4	14	35	7288	5.5	462	2	4	7319	425	2	7511	396
425 - 474----	8	43	112	8206	5.5	442	2	3	7605	420	6	6071	439
BROWN SWISS													
UNDER 275----	1	1	1	7460	5.6	270	1	1	9600	406			
275 - 374----	4	5	8	8010	4.3	340	2	2	10533	423	1	15522	416
375 - 474----	2	3	3	9043	4.6	441	1	2	8750	400			
475 - 524----	2	5	7	12282	4.0	476	2	5	11023	456			
525 - 574----	3	5	11	11753	4.7	535	3	5	9541	514	2	10707	427
575 - 624----	1	2	3	14450	4.2	596	1	1	11570	453			
625 - OVER----	1	1	1	19390	4.1	793							
ALL BREEDS													
UNDER 275----	2	5	11	6216	4.5	268	2	5	8212	359			
275 - 324----	7	12	31	7674	4.2	363	5	7	8718	376	1	6971	386
325 - 374----	10	17	47	8559	4.2	347	6	7	10219	414	6	9644	411
375 - 424----	15	193	405	10241	4.2	451	13	14	11952	440	12	10972	413
425 - 474----	27	165	432	10771	4.4	495	26	6	11003	457	1	10969	445
475 - 524----	16	75	125	13501	3.7	496	15	5	13157	477	10	13569	469
525 - 574----	6	9	16	12656	4.3	536	5	2	11444	456	2	10707	427
575 - 624----	2	3	4	15240	4.1	609	2	1	11965	442	1	13505	462
625 - OVER----	1	1	1	19390	4.1	793							

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY				YEARLY HERD AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	1	1	1	5760	3.5	200							
375 - 424----	1	1	1	11570	3.6	422	1	1	8630	331	1	7358	290
GUERNSEY													
UNDER 275----	2	2	3	5330	4.5	244	1	1	5965	289	1	5756	278
275 - 324----	4	14	30	6664	4.6	306	4	3	8892	417	4	8366	386
325 - 374----	8	13	21	7580	4.6	346	7	1	9818	458	6	9023	405
375 - 424----	20	111	251	8276	4.9	399	20	5	8992	443	20	8570	407
425 - 474----	14	38	77	9500	4.7	450	11	3	9763	449	7	9156	422
475 - 524----	5	16	51	10040	5.0	497	4	4	9774	472	4	9399	467
525 - 574----	2	2	4	11325	4.7	534	2	1	10675	506	2	10344	504
575 - 624----	1	1	1	11420	5.2	599	1	1	11700	571	1	10573	494
625 - OVER----	2	2	3	13603	5.0	674	1	1	7490	274			
HOLSTEIN													
275 - 324----	4	12	14	8038	3.6	298	4	3	11485	426	3	10281	381
325 - 374----	4	6	9	9288	3.9	362	3	2	10254	384	3	10699	398
375 - 424----	18	43	74	11123	3.6	401	17	7	12193	459	15	11379	417
425 - 474----	29	255	452	12925	3.6	455	26	8	13134	476	27	12353	443
475 - 524----	39	622	1002	13761	3.7	499	36	15	13747	505	33	12353	475
525 - 574----	25	220	300	14918	3.7	544	23	6	14144	510	22	13773	501
575 - 624----	2	7	10	15521	3.8	587	1	6	14353	548	1	13575	531
625 - OVER----	1	1	3	14614	4.5	660	1	1	14054	568	1	13465	520
JERSEY													
UNDER 275----	2	5	5	4265	5.7	241	2	2	6724	375	2	7371	391
275 - 324----	4	6	7	6138	5.3	319	2	1	7410	372	2	7194	370
325 - 374----	6	16	26	6546	5.3	346	4	2	7430	395	5	8049	416
375 - 424----	16	64	119	7611	5.3	401	14	4	8017	429	12	7734	408
425 - 474----	19	148	299	8447	5.4	450	17	7	8329	443	17	8425	442
475 - 524----	9	38	71	9189	5.4	491	9	4	8539	461	6	8909	472
525 - 574----	1	4	4	10253	5.4	546	1	3	8460	462	1	8480	450
CROWN SWISS													
UNDER 275----	2	2	3	5803	4.3	246	1	1	9605	406	1	9033	381
275 - 324----	1	1	1	7410	3.9	292	1	1	9170	387	1	9529	401
325 - 374----	4	5	15	8340	4.2	346	2	2	9517	396	2	16426	449
375 - 424----	4	6	8	9607	4.2	399	4	1	9941	413	4	10169	430
425 - 474----	5	9	22	10683	4.2	449	3	2	11510	495	2	10388	435
475 - 524----	4	7	10	11962	4.1	490	4	2	11079	470	4	10550	442
525 - 574----	1	2	5	11456	4.0	528	1	2	9343	398	1	10355	459
625 - OVER----	2	2	4	15334	4.6	692							
M. SHORTHORN													
UNDER 275----	1	1	1	6880	3.5	229	1	1	9240	351	1	7903	286
325 - 374----	1	3	5	8611	4.0	350	1	1	8700	327	1	8306	305
ALL BREEDS													
UNDER 275----	8	11	13	5479	4.5	238	6	1	7815	355	6	7469	336
275 - 324----	13	33	52	7044	4.5	307	11	2	9521	409	10	8826	382
325 - 374----	23	45	76	7784	4.6	349	17	2	9232	415	17	9190	407
375 - 424----	59	225	453	9110	4.6	400	55	3	9862	436	51	9325	412
425 - 474----	67	450	650	10769	4.4	452	60	6	10997	462	55	10344	439
475 - 524----	57	683	1134	12566	4.1	497	53	11	12365	492	49	11609	471
525 - 574----	29	228	313	14390	3.8	543	27	7	13496	504	26	13174	497
575 - 624----	3	8	11	14154	4.2	591	2	4	13027	560	2	12084	513
625 - OVER----	5	5	12	14497	4.7	678	2	1	10772	421	1	13405	520

TABLE 13.--DAUGHTER-AVERAGE OF SIKLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
							SIRE NO.	DAUS. NO.	MILK LB.				
AYRSHIRE													
275 - 324---	1	1	1	7620	3.8	292							
GUERNSEY													
325 - 374---	1	2	3	6115	4.4	349	1	1	16045	604	1	12660	453
375 - 424---	1	1	1	11300	3.7	413							
HOLSTEIN													
275 - 324---	2	4	8	10359	3.1	313	2	2	10569	367	2	10691	362
325 - 374---	2	3	4	10143	3.4	339	2	2	11543	421			
375 - 424---	11	52	99	11520	3.5	399	11	5	12337	420	8	10716	378
425 - 474---	7	74	127	12838	3.5	449	7	10	12424	430	5	11205	387
475 - 524---	4	4	5	14008	3.6	506	2	1	16270	548			
575 - 624---	1	1	1	16500	3.5	576	1	1	13900	453			
625 - OVER--	1	1	2	17875	3.8	665	1	1	14300	529			
JERSEY													
275 - 324---	2	3	6	6150	5.0	303	2	1	6930	358	2	7170	343
BROWN SWISS													
UNDER 275---	1	1	3	6300	4.3	270	1	1	6950	271	1	6431	265
425 - 474---	1	1	5	12090	3.9	474	1	1	12944	543			
ALL BREEDS													
UNDER 275---	1	1	3	6300	4.3	270	1	1	6950	271	1	6431	265
275 - 324---	5	8	15	8127	4.0	305	4	2	8750	363	4	8930	352
325 - 374---	3	5	7	9467	3.7	342	3	1	13045	462	1	12660	453
375 - 424---	12	53	100	11502	3.5	401	11	5	12337	420	8	10716	378
425 - 474---	8	75	132	12745	3.6	452	8	9	12439	444	5	11205	387
475 - 524---	4	4	5	14008	3.6	506	2	1	16270	548			
575 - 624---	1	1	1	16500	3.5	576	1	1	13900	453			
625 - OVER--	1	1	2	17875	3.8	665	1	1	14300	529			

TABLE 13.--DAUGHTER-AVERAGE OF COWS IN SERVICE IN ARTIFICIAL BREEDING OR ANIZATION--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRLS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY CONTEMPORARY SIRLS DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRLS NO.	MILK LB.	FAT LB.
AYRSHIRE												
UNDER 275---	1	1	1	6340	3.9	245						
325 - 374---	2	2	3	8578	4.2	352						
375 - 424---	3	3	6	10273	4.1	416	1	1	6960	296		
475 - 524---	1	2	3	12525	3.9	484						
525 - 574---	2	2	3	12510	4.4	547						
GUERNSEY												
UNDER 275---	1	1	1	4560	4.9	213	1	1	6570	401	1	2653 416
275 - 324---	2	2	3	6280	4.9	304	1	1	8760	413	1	2418 441
325 - 374---	4	31	69	7176	4.8	344	4	3	9477	434	2	2077 433
375 - 424---	8	36	59	7973	5.0	374	5	5	9066	415	4	8931 420
425 - 474---	4	27	58	9594	4.8	450	7	4	10466	469	2	2645 436
475 - 524---	1	3	4	10872	4.7	503	1	1	9950	487	1	2762 405
525 - 574---	3	3	4	11663	4.6	553	2	1	12560	574		
HOLSTEIN												
UNDER 275---	1	1	1	7040	5.7	260	1	1	11320	423	1	10737 393
275 - 324---	2	3	4	8645	5.4	285	1	1	11100	465	1	10442 377
325 - 374---	9	27	42	10034	5.6	359	4	4	11724	431	3	11476 409
375 - 424---	15	34	54	10962	5.7	378	11	2	12962	465	10	11617 435
425 - 474---	18	61	106	12602	5.6	453	17	3	12755	470	11	11499 429
475 - 524---	22	136	268	13070	5.6	501	16	7	13066	485	16	12657 458
525 - 574---	13	35	55	15165	5.6	548	11	3	13659	492	4	12410 454
575 - 624---	9	20	25	16367	5.7	595	9	2	14099	496	6	13302 488
625 - OVER---	2	2	3	20160	5.3	646	2	1	15978	569	2	14189 514
JERSEY												
275 - 324---	1	1	3	6080	5.1	313	1	1	7500	374	1	13121 521
325 - 374---	11	33	82	6765	5.3	355	9	2	7093	359	6	2030 405
375 - 424---	3	5	5	7655	5.3	402	3	2	7407	376	3	8996 434
425 - 474---	5	9	16	8454	5.3	447	4	2	7465	375	3	8309 426
475 - 524---	3	3	7	8742	5.5	483	2	1	8630	456	2	2713 495
525 - 574---	3	6	12	10933	5.0	541	3	1	10470	521	2	2963 495
625 - OVER---	1	1	1	15380	4.4	692					1	10693 519
BROWN SWISS												
UNDER 275---	1	1	1	5360	4.1	222						
275 - 324---	1	1	1	8590	5.6	312						
325 - 374---	3	4	7	8464	4.0	333	2	1	9640	397	1	2021 429
375 - 424---	4	4	5	9200	4.4	399	4	1	10469	445	2	2669 387
425 - 474---	6	36	51	11031	4.1	451	6	3	9907	400	4	10679 426
475 - 524---	13	15	29	11621	4.3	501	5	1	11266	455	3	2988 413
525 - 574---	5	17	19	13434	4.1	550	4	3	12259	496	3	10940 447
575 - 624---	3	6	7	14991	4.0	599	1	3	12770	515	1	12748 499
M. SHORTHORN												
UNDER 275---	1	1	1	4620	5.6	174	1	1	10960	423		
ALL BREEDS												
UNDER 275---	5	5	5	5344	4.1	223	3	1	10263	416	2	2665 405
275 - 324---	6	7	11	7420	4.2	360	3	1	9053	377	3	11227 446
325 - 374---	29	97	203	8098	4.5	352	19	2	6859	374	12	2718 413
375 - 424---	33	62	129	9674	4.3	399	24	2	10798	433	17	10331 427
425 - 474---	35	133	231	11347	4.1	451	29	3	11335	442	20	10671 429
475 - 524---	35	157	311	12638	4.0	499	24	5	12176	476	22	11760 453
525 - 574---	26	63	93	13746	4.1	546	26	2	12790	503	9	11376 461
575 - 624---	12	26	32	16038	3.6	596	10	2	13766	493	7	12223 490
625 - OVER---	3	3	4	18633	3.6	661	2	1	15276	569	3	13624 516

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.		SIRE NO.	MILK LB.	FAT LB.
GUERNSEY													
275 - 324---	1	1	1	6570	4.5	297							
325 - 374---	2	2	4	7399	4.7	344							
375 - 424---	8	11	27	8236	4.7	364	5	2	9260	432	4	9516	449
425 - 474---	7	9	23	9140	4.9	448	5	1	9281	450	4	9183	434
475 - 524---	6	7	20	10066	5.0	504	4	1	10078	468	4	9780	461
525 - 574---	2	2	5	11885	4.8	568	2	1	8388	412	2	9123	434
625 - OVER--	1	1	3	11670	5.4	638	1	1	9450	465	1	9723	477
HOLSTEIN													
325 - 374---	1	1	1	9110	3.6	335	1	1	10590	399			
425 - 474---	4	5	9	12657	3.5	444	3	1	12674	460	2	10906	397
475 - 524---	3	3	3	13957	3.7	506	1	1	13670	501			
575 - 624---	1	1	1	14760	4.0	592							
625 - OVER--	1	1	2	14450	4.3	627							
JERSEY													
275 - 324---	2	16	45	6231	4.8	297	1	2	7850	379			
375 - 424---	5	8	10	7543	5.3	399	5	1	7690	401	2	7547	352
425 - 474---	1	1	1	8560	5.0	427							
525 - 574---	1	1	1	10520	5.2	546	1	1	6870	311	1	7547	352
575 - 624---	1	1	1	13170	4.5	595	1	1	10470	555			
BROWN SWISS													
425 - 474---	2	2	2	10760	4.3	456							
ALL BREEDS													
275 - 324---	3	17	46	6344	4.7	297	1	2	7850	379			
325 - 374---	3	3	5	7969	4.5	340	1	1	10590	399			
375 - 424---	13	19	37	7969	4.9	390	10	1	8475	417	6	6795	416
425 - 474---	14	17	35	10392	4.4	446	8	1	10554	454	6	9757	419
475 - 524---	9	10	23	11563	4.6	504	5	1	10797	475	4	9780	461
525 - 574---	3	3	6	11430	4.9	560	3	1	7882	378	3	8531	407
575 - 624---	2	2	2	13965	4.3	593	1	1	10470	555			
625 - OVER--	2	2	5	13060	4.9	633	1	1	9450	465	1	9723	477

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUP 20 ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES NO.	DAUGHTERS NO.	MILK LB.	FAT LB.	YEARLY HERO AVERAGE SIRES NO.	MILK LB.	FAT LB.
GUERNSEY													
375 - 424----	2	6	16	8777	4.7	404							
425 - 474----	2	11	21	9923	4.6	450	2	3	11589	574	2	9069	446
475 - 524----	4	8	12	10718	4.7	504	3	2	11087	538	2	9799	472
625 - OVER--	1	1	3	14800	4.7	691	1	1	10775	508	1	9385	436
HOLSTEIN													
UNDER 275----	3	3	3	8087	3.0	243	3	1	12973	444	2	12323	428
275 - 324----	2	2	4	9350	3.3	306	1	1	11790	394	1	11718	391
325 - 374----	6	17	34	10260	3.6	358	4	2	12538	428	4	12902	452
375 - 424----	11	25	29	10797	3.6	393	9	3	12412	442	9	12732	455
425 - 474----	17	176	407	12557	3.6	449	14	11	13772	467	14	13004	474
475 - 524----	21	49	75	14039	3.6	502	10	2	14098	499	17	13458	484
525 - 574----	11	15	19	15348	3.6	540	9	1	14002	495	8	12300	438
575 - 624----	3	3	5	17334	3.5	601	3	1	14600	508	2	13564	488
625 - OVER--	3	3	3	18310	3.6	661	2	1	16030	567	1	15075	529
JERSEY													
275 - 324----	2	5	8	6901	4.6	315	1	1	9440	503	1	9690	501
375 - 424----	4	31	94	7074	5.5	385	2	2	8728	444	2	8216	423
425 - 474----	2	3	4	8309	5.3	438	2	2	8820	445	1	8186	399
475 - 524----	1	4	10	9821	5.2	511	1	4	8501	455	1	8948	449
525 - 574----	1	2	2	9965	5.3	530	1	2	7480	353	1	9690	501
BROWN SWISS													
375 - 424----	1	1	1	10790	3.8	413	1	1	13820	542			
425 - 474----	1	1	2	12005	3.7	434	1	1	13370	525			
525 - 574----	2	2	3	14723	3.8	557	1	1	13170	518			
625 - OVER--	1	1	1	17330	3.9	680	1	1	12970	510			
ALL BREEDS													
UNDER 275----	3	3	3	8087	3.0	243	3	1	12973	444	2	12323	428
275 - 324----	4	7	12	8125	4.0	311	2	1	10615	449	2	10704	446
325 - 374----	6	17	34	10260	3.6	358	4	2	12538	428	4	12902	452
375 - 424----	18	63	140	9867	4.1	393	12	2	11916	450	11	11911	449
425 - 474----	22	191	434	11906	3.9	447	19	6	13000	493	17	12258	466
475 - 524----	26	61	97	13566	3.8	505	22	2	13433	501	20	12866	481
525 - 574----	14	19	24	14874	3.7	542	11	1	13333	484	9	12010	445
575 - 624----	3	3	5	17334	3.5	601	3	1	14600	508	2	13564	488
625 - OVER--	5	5	7	17412	3.9	671	4	1	13951	538	2	12230	463

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY DAUGHTERS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD SIREs NO.	AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
275 - 324---	1	1	1	7680	3.9	306	1	1	9900	390			
425 - 474---	1	2	2	10425	4.3	448	1	2	9780	374			
GOERNSLY													
275 - 324---	1	1	1	6240	4.5	281							
325 - 374---	7	57	129	7770	4.7	359	7	7	9612	406	5	9642	405
375 - 424---	6	7	20	8205	4.8	394	6	1	9444	419	3	8958	411
425 - 474---	2	2	4	9600	4.8	448	1	1	7430	366			
475 - 524---	1	1	3	8450	5.6	479	1	1	6975	422			
HOLSTEIN													
UNDER 275---	1	1	1	5000	3.7	164	1	1	11420	459			
275 - 324---	3	5	8	8644	3.5	303	3	2	10983	388			
325 - 374---	8	9	14	9625	3.7	347	8	1	11390	428	4	11434	440
375 - 424---	17	216	413	11362	3.6	402	17	11	12466	453	10	12072	439
425 - 474---	30	905	1748	12225	3.7	449	30	29	12435	451	19	12177	443
475 - 524---	32	895	1495	13724	3.6	494	32	27	13385	485	10	13216	483
525 - 574---	15	79	97	15120	3.6	548	15	5	14057	514			
575 - 624---	4	14	21	16518	3.6	591	4	4	14365	523	1	11462	431
625 - OVER--	3	4	7	17642	3.8	660	3	1	13862	512	1	12219	441
JERSEY													
UNDER 275---	2	2	3	5080	5.0	253	2	1	7230	364			
325 - 374---	9	73	141	6842	5.2	354	8	4	7939	410	4	7865	402
375 - 424---	11	168	323	7768	5.2	400	11	11	7947	408	5	8276	418
425 - 474---	9	48	76	8533	5.4	458	7	5	8062	423			
525 - 574---	1	1	1	10440	5.2	538	1	1	9270	475			
575 - 624---	1	1	1	10240	5.7	587	1	1	9990	495			
BROWN SWISS													
325 - 374---	1	1	2	9420	3.6	341	1	1	14020	538			
375 - 424---	1	1	3	10147	4.0	405							
425 - 474---	1	2	5	10647	4.3	461	1	2	11546	458	1	9919	400
475 - 524---	1	1	1	11160	4.3	482							
M. SHORTHORN													
375 - 424---	1	1	1	9930	3.9	383							
ALL BREEDS													
UNDER 275---	3	3	4	5053	4.6	230	3	1	8627	395			
275 - 324---	5	7	10	7970	3.8	298	4	2	10713	388			
325 - 374---	25	140	286	8095	4.5	355	24	4	9831	420	13	9647	415
375 - 424---	36	393	760	9664	4.3	400	34	10	10471	432	18	10498	429
425 - 474---	43	959	1835	11252	4.1	451	40	22	11456	442	20	12064	441
475 - 524---	34	897	1499	13494	3.7	494	33	26	13252	483	10	13216	483
525 - 574---	16	80	100	14628	3.7	547	16	5	13758	512			
575 - 624---	5	15	22	15262	4.0	590	5	3	13506	517	1	11402	431
625 - OVER--	3	4	7	17642	3.8	660	3	1	15862	512	1	12219	441

TABLE 13.--DAUGHTER-AVERAGE OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.		SIRE NO.	MILK LB.	FAT LB.
GOLBNSLY													
275 - 324---	1	1	1	5630	4.9	277							
325 - 374---	1	1	1	6520	5.3	346							
HOLSTEIN													
275 - 324---	1	1	1	8220	3.6	316							
425 - 474---	2	3	6	12494	3.6	443	2	2	14683	507			
475 - 524---	2	3	4	14655	3.5	506	2	2	12755	455			
525 - 574---	2	2	4	16143	3.4	548	2	1	13623	456			
575 - 624---	1	1	1	17150	3.4	582	1	1	14200	483			
JERSEY													
UNDER 275---	1	1	1	3510	4.1	143	1	1	8060	379			
325 - 374---	1	1	1	7440	4.8	355							
375 - 424---	1	1	1	8060	4.6	376	1	1	6560	301			
475 - 524---	4	6	8	9055	5.5	473	4	1	9300	492	3	7636	544
525 - 574---	3	3	3	9677	5.5	544	3	1	10363	565	2	10105	566
ALL BREEDS													
UNDER 275---	1	1	1	3510	4.1	143	1	1	8060	379			
275 - 324---	2	2	2	6925	4.4	297							
325 - 374---	2	2	2	6960	5.1	351							
375 - 424---	1	1	1	8060	4.6	376	1	1	6560	301			
425 - 474---	2	3	6	12474	3.6	443	2	2	14683	507			
475 - 524---	6	9	12	10722	4.6	477	6	1	10451	454	3	9836	544
525 - 574---	3	3	7	12563	4.7	546	3	1	11667	521	2	10105	566
575 - 624---	1	1	1	17150	3.4	582	1	1	14200	483			

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY				YEARLY MEAN AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 275----	1	1	1	5770	4.2	244	1	1	10290	415	1	7875	410
275 - 324----	2	3	3	7663	3.9	304	2	2	8860	366	2	8682	358
325 - 374----	3	3	3	8343	4.0	349	3	1	8600	350	3	7036	369
375 - 424----	3	4	5	9762	4.2	418	3	1	9967	417	3	10633	432
GUERNSEY													
UNDER 275----	1	1	1	2960	3.7	109	1	1	7140	337	1	8099	372
275 - 324----	5	5	8	6456	4.6	297	5	1	8945	417	3	9396	463
325 - 374----	7	58	95	7459	4.9	360	5	4	9059	403	3	9054	416
375 - 424----	30	609	1378	8242	4.8	401	28	20	9102	424	27	9243	440
425 - 474----	50	576	1270	9123	4.9	445	45	11	9737	457	43	9502	458
475 - 524----	12	83	258	10195	4.9	499	8	8	9695	470	6	10024	484
525 - 574----	4	9	26	11616	4.7	543	3	1	9472	457	3	8696	409
575 - 624----	2	3	6	11400	5.3	594	2	2	10173	482	2	10508	485
625 - OVER----	2	3	5	12621	5.3	658							
HOLSTEIN													
UNDER 275----	1	1	1	7600	3.2	244	1	1	11890	463	1	12121	461
275 - 324----	1	1	2	10145	3.2	318	1	1	13795	500	1	13374	471
325 - 374----	3	3	5	10348	3.5	367	3	1	11073	405	3	10933	399
375 - 424----	23	124	245	11310	3.6	402	19	4	12866	477	14	13497	496
425 - 474----	43	1250	2572	12525	3.6	450	43	27	13092	482	36	13167	484
475 - 524----	56	2213	3955	13572	3.7	497	54	39	13576	500	56	13616	500
525 - 574----	29	325	532	14616	3.8	549	26	11	14132	517	26	13620	507
575 - 624----	4	16	33	15117	4.0	596	3	3	15063	574	4	14802	566
625 - OVER----	6	6	6	18663	3.8	714	6	1	15723	627	3	15293	589
JERSEY													
UNDER 275----	2	2	3	4900	4.7	229	1	1	6080	300	1	7161	367
275 - 324----	1	1	1	6030	4.9	294							
325 - 374----	5	28	53	6059	5.9	352	4	6	7636	405	4	7942	427
375 - 424----	13	163	424	7460	5.4	403	11	7	8159	440	9	8098	431
425 - 474----	33	610	1342	8342	5.5	452	29	15	8529	457	29	8915	479
475 - 524----	31	570	1184	9137	5.5	497	29	13	8833	470	29	8944	474
525 - 574----	10	77	157	10372	5.4	547	6	6	9689	518	6	9823	527
575 - 624----	2	2	5	10427	5.7	585	1	1	10240	541	1	11298	577
625 - OVER----	2	2	4	10789	6.3	673	2	1	9665	529	2	9669	539
BROWN SWISS													
275 - 324----	1	2	3	7318	4.1	294							
325 - 374----	1	1	1	8900	3.7	333	1	1	11630	432			
375 - 424----	2	2	3	10100	4.0	405	1	1	11150	455	1	11652	465
425 - 474----	4	10	18	11170	4.2	461	4	3	11737	476	3	10641	434
475 - 524----	8	22	39	11761	4.2	495	7	2	11477	464	7	12064	482
525 - 574----	2	6	7	13004	4.2	537	2	3	11297	469	2	11771	467
575 - 624----	1	1	1	13410	4.5	602	1	1	11630	493	1	12023	464
625 - OVER----	1	1	2	14390	4.5	646	1	1	13840	549			
M. SPURTHURV													
275 - 324----	1	1	1	7600	3.6	289	1	1	9160	366	1	9287	378
325 - 374----	3	9	21	9501	3.6	358	3	1	9333	347	3	9685	370
375 - 424----	2	7	7	9551	4.0	380	1	5	8702	352	1	9567	377
425 - 474----	3	3	4	11005	4.1	446							
475 - 524----	1	1	2	12330	4.3	521							
ALL BREEDS													
UNDER 275----	5	5	6	5226	4.1	211	4	1	8850	379	4	9314	403
275 - 324----	11	13	18	7174	4.2	299	9	1	9469	409	7	9745	422
325 - 374----	22	102	178	8075	4.6	356	19	3	9191	388	16	9247	398
375 - 424----	73	909	2062	9230	4.5	402	63	12	10141	442	55	10264	451
425 - 474----	133	2449	5206	10133	4.6	449	121	17	10706	466	113	10645	472
475 - 524----	108	2889	5438	11778	4.4	493	96	26	11706	466	94	11755	489
525 - 574----	45	417	722	13334	4.2	547	41	9	12766	510	39	12368	501
575 - 624----	9	22	45	13059	4.7	593	7	2	12474	532	3	12943	534
625 - OVER----	11	12	17	15854	4.6	690	9	1	14168	596	5	13043	569

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRLS DAUS. NO. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIREs MILK FAT NO. LB. LB.
AYRSHIRE										
375 - 424----	1	1	1	9250	4.5	419	1	1	11060	414
425 - 474----	2	2	2	10520	4.2	435	2	1	12320	477
525 - 574----	1	1	1	13840	4.0	557	1	1	10940	409
GUERNSEY										
275 - 324----	5	6	9	7000	4.5	307	4	1	10016	425
325 - 374----	6	30	60	7608	4.7	356	6	5	9410	431
375 - 424----	34	711	1507	8432	4.8	401	32	20	9459	430
425 - 474----	12	37	75	9527	5.0	446	9	3	9844	462
475 - 524----	10	20	53	10602	5.0	493	9	2	9573	472
525 - 574----	2	2	3	10170	5.5	555				
575 - 624----	1	1	3	9987	5.9	586	1	1	10773	551
HOLSTEIN										
UNUER 275----	1	1	1	7290	3.7	268	1	1	9840	371
275 - 324----	2	3	3	9490	3.4	316	2	2	13455	466
325 - 374----	10	19	33	9772	3.6	351	8	2	10776	414
375 - 424----	13	195	410	11590	3.6	401	11	17	11707	444
425 - 474----	29	902	1708	12166	3.7	445	29	30	11990	459
475 - 524----	25	331	457	13728	3.7	498	23	12	12671	487
525 - 574----	18	121	165	14849	3.7	541	17	6	12954	490
575 - 624----	6	12	12	15659	3.8	593	5	2	14416	530
625 - OVER--	7	9	17	17036	4.0	668	6	1	15261	548
JERSEY										
UNUER 275----	1	1	1	5270	4.9	257	1	1	8940	528
275 - 324----	1	1	2	6225	5.0	311	1	1	6945	381
325 - 374----	1	2	4	7284	5.0	362				
375 - 424----	13	257	634	7757	5.3	409	16	13	8531	456
425 - 474----	26	1172	2482	8406	5.4	446	21	34	8850	468
475 - 524----	20	309	559	9229	5.4	500	20	12	9156	490
525 - 574----	5	56	99	10044	5.5	551	5	3	8599	471
575 - 624----	1	1	4	9530	6.4	615	1	1	9805	507
625 - OVER--	1	2	8	11922	5.7	685	1	1	10367	569
BROWN SWISS										
325 - 374----	2	4	4	8342	4.4	361	2	2	12668	517
375 - 424----	4	5	8	9708	4.2	409	3	1	11295	489
425 - 474----	2	3	6	9553	4.5	436	2	1	10560	522
475 - 524----	6	34	45	11600	4.3	477	4	7	11162	470
575 - 624----	1	2	3	12230	4.7	581	1	2	11005	480
625 - OVER--	1	1	1	15170	4.5	686				
M. SHORTHORN										
375 - 424----	2	3	3	11800	3.6	419				
ALL BREEDS										
UNUER 275----	2	2	2	6280	4.3	265	2	1	9390	450
275 - 324----	8	10	14	7525	4.3	310	7	1	10560	430
325 - 374----	19	55	101	8607	4.1	354	16	3	10575	433
375 - 424----	67	1172	2563	9064	4.6	404	57	17	9867	440
425 - 474----	71	2116	4273	10147	4.6	445	63	25	10575	461
475 - 524----	61	694	1114	11433	4.5	498	56	10	10887	464
525 - 574----	26	180	268	13526	4.2	545	23	5	11920	482
575 - 624----	9	16	22	13967	4.4	593	8	2	12959	523
625 - OVER--	9	12	26	16256	4.2	671	7	1	14562	531

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUP 10 ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY		AV. FAT LB.	YEARLY SIREs NO.	HERD MILK LB.	AVERAGE FAT LB.
							SIREs NO.	DAUS. NO.				
AYRSHIRE												
275 - 324----	2	2	2	7790	3.8	294						
475 - 524----	2	3	5	11938	4.1	486						
GUERNSEY												
UNDER 275----	4	6	6	4971	4.8	239						
275 - 324----	4	12	20	6357	4.7	297						
325 - 374----	9	41	71	7458	4.7	349	2	1	9420	424		
375 - 424----	26	116	173	8424	4.9	403	16	3	8815	428		
425 - 474----	16	95	151	9106	5.0	447	5	5	10547	465		
475 - 524----	8	41	67	9729	5.1	491	4	1	10472	514		
525 - 574----	2	2	5	10484	5.2	542						
575 - 624----	3	9	19	10921	5.5	593	1	1	8900	474		
HOLSTEIN												
275 - 324----	1	1	1	8880	3.1	277						
375 - 424----	7	45	85	11457	3.6	408	5	3	13328	495		
425 - 474----	18	173	275	12485	3.7	456	16	8	13433	562		
475 - 524----	36	563	754	14084	3.6	501	23	6	14891	542		
525 - 574----	26	387	553	14958	3.7	548	22	9	15255	556		
575 - 624----	14	57	79	16355	3.8	609	9	4	15006	554		
625 - OVER--	12	17	22	19685	3.6	713	10	2	16247	584		
JERSEY												
UNDER 275----	1	1	1	4130	4.6	199	1	1	3700	173		
325 - 374----	4	6	12	6624	5.4	350	2	1	6910	353		
375 - 424----	3	17	22	7603	5.1	394	2	2	5402	473		
425 - 474----	10	79	113	8774	5.2	456	1	1	10090	523		
475 - 524----	8	34	55	9253	5.4	496						
525 - 574----	1	8	8	9690	5.5	544						
575 - 624----	3	8	12	10298	5.8	597	3	2	10723	587		
625 - OVER--	2	7	9	12571	5.6	694	2	4	11170	578		
BROWN SWISS												
UNDER 275----	1	1	1	2490	4.6	114						
375 - 424----	1	1	2	9720	3.9	377						
425 - 474----	2	2	9	10160	4.4	445	1	1	14683	602		
475 - 524----	3	9	11	11431	4.4	497						
525 - 574----	3	9	17	12871	4.3	543						
575 - 624----	2	2	2	12740	4.7	593						
ALL BREEDS												
UNDER 275----	6	8	8	4417	4.8	211	1	1	3700	173		
275 - 324----	7	15	23	7127	4.2	293						
325 - 374----	13	47	83	7201	4.9	349	4	1	8165	388		
375 - 424----	37	179	282	8983	4.6	402	23	3	9499	427		
425 - 474----	46	349	548	10402	4.5	452	23	7	12715	499		
475 - 524----	57	650	892	12580	4.1	498	25	5	14538	540		
525 - 574----	32	406	583	14324	3.9	547	22	9	15255	556		
575 - 624----	22	76	112	14459	4.4	604	13	3	13548	556		
625 - OVER--	14	24	31	18669	3.9	710	12	2	15400	583		

TABLE 13.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRLS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	365-DAY CONTEMPORARY		AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRLS NO.	DAUS. NO.		MILK LB.	SIRLS NO.	MILK LB.
HOLSTEIN												
UNDER 275---	2	3	3	7063	3.5	241	1	2	7785	262		
ALL BREEDS												
UNDER 275---	2	3	3	7063	3.5	241	1	2	7785	262		

TABLE 13.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.				YEARLY HERD AVERAGE		
							SIREs	DAUS.	MILK	FAT	SIREs	MILK	FAT
							NO.	NO.	LB.	LB.	NO.	LB.	LB.
GUERNSEY													
325 - 374---	1	1	1	6470	5.1	329							
HOLSTEIN													
UNDER 275---	1	2	3	7360	3.0	202	1	1	11050	372	1	10442	342
275 - 324---	1	1	1	9140	3.2	296	1	1	11090	365	1	10442	342
375 - 424---	1	1	2	11310	3.4	384	1	1	11625	374	1	11249	357
475 - 524---	2	2	2	13310	3.8	506	2	1	10945	358	2	10442	342
ALL BREEDS													
UNDER 275---	1	2	3	7360	3.0	202	1	1	11050	372	1	10442	342
275 - 324---	1	1	1	9140	3.2	296	1	1	11090	365	1	10442	342
325 - 374---	1	1	1	6470	5.1	329							
375 - 424---	1	1	2	11310	3.4	384	1	1	11625	374	1	11249	357
475 - 524---	2	2	2	13310	3.8	506	2	1	10945	358	2	10442	342

TABLE 13.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO BUTTERFAT PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

BUTTERFAT PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HEAD AVERAGE SIRE NO.	MILK LB.	FAT LB.
HOLSTEIN													
425 - 474---	1	5	12	12426	3.5	444	1	4	13049	500			
475 - 524---	1	2	8	13024	3.6	488	1	2	11802	460			
525 - 574---	1	3	8	15250	3.8	568	1	3	12448	479			
RED DAIRY													
325 - 374---	1	1	2	8495	4.4	368							
ALL BREEDS													
325 - 374---	1	1	2	8495	4.4	368							
425 - 474---	1	5	12	12426	3.5	444	1	4	13049	500			
475 - 524---	1	2	8	13024	3.6	488	1	2	11802	460			
525 - 574---	1	3	8	15250	3.8	568	1	3	12448	479			

TABLE 14.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY				YEARLY HERD AVERAGE		
							SIREs NO.	DAUS. NO.	MILK LB.	FAT LB.	SIREs NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 6500--	2	9	14	6044	4.3	255	1	1	8468	357	1	6933	378
6500 - 7499--	6	21	37	7607	4.0	278	5	3	7331	320	5	8176	333
7500 - 8499--	11	66	134	8174	4.2	345	10	5	8937	370	10	9264	383
8500 - 9499--	11	152	238	8786	4.2	369	9	15	9194	377	9	9226	379
9500 - 10499--													
10500-11499--	2	9	16	11009	4.1	449	2	5	8433	354	2	8809	361
GUERNSEY													
UNDER 6500--	7	29	55	5844	5.0	295	5	2	7804	356	5	8166	366
6500 - 7499--	34	1062	2396	7100	4.9	347	29	19	8529	394	26	8472	393
7500 - 8499--	53	1195	2488	7740	4.8	373	28	34	9305	416	27	9028	420
8500 - 9499--	3	21	26	9099	4.6	441	3	7	9606	447	5	9777	446
9500 - 10499--	4	16	58	9910	4.7	465	4	2	8778	402	4	8811	404
12500-13499--	1	1	1	13190	5.4	709							
14500-15499--	1	1	1	14520	4.6	664	1	1	13890	667	1	9374	446
HOLSTEIN													
6500 - 7499--	1	1	1	6560	5.1	206							
7500 - 8499--	3	7	22	8139	5.8	308	2	1	12646	493	2	11473	446
8500 - 9499--	9	44	95	9085	5.8	349		2	10680	402	7	11164	430
9500 - 10499--	17	555	1348	10091	5.7	370	16	15	10733	411	16	10670	414
10500-11499--	37	2260	5248	11024	5.8	415	36	43	11475	435	34	11168	426
11500-12499--	43	3692	6281	11946	5.8	450	41	51	12063	466	41	11363	458
12500-13499--	26	401	595	13046	5.8	492	21	18	12750	492	16	12530	475
13500-14499--	10	16	39	13688	5.7	509	9	2	12975	493	6	12112	472
14500-15499--	6	7	16	14981	5.7	547	4	1	14720	557	4	14236	556
15500-16499--	3	4	20	16140	5.6	576	2	2	14864	564	2	14595	576
16500- OVER	4	5	6	17594	5.3	588	3	1	12967	478	3	12517	466
JERSEY													
UNDER 6500--	12	81	193	6013	5.3	319	6	3	7256	366	6	7893	400
6500 - 7499--	30	623	1951	6977	5.2	366	21	10	7794	405	22	8057	414
7500 - 8499--	24	895	1747	8066	5.3	421	20	20	8150	418	20	8421	433
8500 - 9499--													
9500 - 10499--	2	5	8	9623	5.0	495	1	1	5835	306	1	6616	340
11500-12499--	1	1	1	11630	4.3	502	1	1	8090	451			
BROWN SWISS													
8500 - 9499--	1	3	7	8707	4.2	384							
9500 - 10499--	3	10	16	10024	4.8	483							
10500-11499--	3	4	4	11265	4.1	458							
11500-12499--	1	1	1	12050	4.2	508							
12500-13499--	2	2	4	13065	4.1	527							
M. SHORTHORN													
UNDER 6500--	1	1	1	3460	4.5	153	1	1	7350	307	1	7031	277
7500 - 8499--	4	23	31	7877	5.8	276	2	7	8871	360	5	9537	366
8500 - 9499--	2	13	26	8691	5.9	339	2	1	10315	405	2	9271	354
ALL BREEDS													
UNDER 6500--	21	119	262	5960	5.1	305	10	2	7543	362	10	8082	394
6500 - 7499--	72	1908	4386	6983	4.9	344	56	14	8179	390	56	8259	374
7500 - 8499--	75	2186	4422	7931	4.8	377	62	23	8831	410	62	8974	416
8500 - 9499--	30	376	615	8637	4.3	366	23	10	9581	397	24	9776	410
9500 - 10499--	32	611	1454	9716	3.9	392	23	11	10153	406	22	10127	409
10500-11499--	42	2273	5268	11041	3.8	419	38	41	11317	430	36	11037	425
11500-12499--	45	3694	6283	11943	3.8	452	42	79	11987	465	41	11868	458
12500-13499--	29	404	600	13048	3.9	502	21	18	12750	492	16	12530	475
13500-14499--	10	16	39	13688	5.7	509	9	2	12975	493	6	12112	472
14500-15499--	7	8	17	14915	5.8	563	5	1	14554	579	5	13264	534
15500-16499--	3	4	20	16140	5.6	578	2	2	14864	564	2	14595	576
16500- OVER	4	5	6	17594	5.3	588	3	1	12967	478	3	12517	466

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY		AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRES NO.	DAUS. NO.		MILK LB.	SIRES NO.	MILK LB.
AYRSHIRE												
UNDER 6500--	2	4	4	6007	4.3	257						
6500 - 7499-	2	6	10	7050	4.1	290	1	1	10678	436	1	8851
7500 - 8499-	9	107	241	8104	4.3	346	9	6	9058	372	9	8592
8500 - 9499-	26	354	788	9064	4.1	372	22	11	9494	391	22	9355
9500 - 10499-	6	185	335	9885	4.1	407	5	34	9991	404	5	10068
10500-11499-	2	2	2	10920	4.2	457	2	1	9760	407	2	7336
11500-12499-	2	5	14	11740	4.0	461	2	3	10191	415	2	10020
12500-13499-	1	1	6	13213	4.2	554	1	1	9262	402	1	10046
GULRNSEY												
UNDER 6500--	10	12	17	5921	4.7	281	5	1	8733	358	5	8268
6500 - 7499-	19	141	292	7112	4.8	341	15	6	8916	365	14	8760
7500 - 8499-	29	382	810	7998	4.8	380	23	11	8936	406	23	9344
8500 - 9499-	12	50	114	8830	4.8	421	8	4	10346	451	7	9630
9500 - 10499-	2	2	2	9785	4.5	450	2	1	9035	391	2	7211
11500-12499-	1	1	1	11660	4.4	507						
HOLSTEIN												
6500 - 7499-	1	1	1	7080	4.1	289	1	1	12470	470	1	13843
7500 - 8499-	2	2	2	7930	4.3	340	2	1	10070	369	2	9265
8500 - 9499-	5	28	64	8969	3.8	346	3	2	12102	435	3	13535
9500 - 10499-	19	85	216	10668	3.8	379	14	3	11703	429	13	10836
10500-11499-	27	2085	3947	11134	3.8	416	22	79	11730	445	21	11572
11500-12499-	28	1032	1667	11971	3.9	459	26	35	12018	465	26	11765
12500-13499-	27	189	277	12961	3.7	485	20	6	11981	455	17	11797
13500-14499-	11	36	64	13862	3.8	517	11	5	12861	490	16	11975
14500-15499-	5	6	7	15062	3.5	530	5	1	13345	514	4	13307
15500-16499-	3	5	8	15623	3.9	608	1	3	13830	537	1	11745
16500- OVER	4	4	6	17745	3.8	672	4	1	15149	500	3	11786
JERSEY												
UNDER 6500--	5	9	10	5174	5.3	272	4	2	7055	354	4	7312
6500 - 7499-	17	106	248	7088	5.4	334	13	3	7601	384	13	7820
7500 - 8499-	24	357	783	7935	5.2	414	25	7	8327	436	24	8540
8500 - 9499-	6	105	188	9149	5.2	475	4	14	8799	463	6	9685
9500 - 10499-	3	8	25	10063	4.9	483	2	2	10380	543	1	9866
10500-11499-	2	4	11	11514	5.0	556	2	2	10472	520	2	10058
BROWN SWISS												
UNDER 6500--	3	3	3	5660	3.9	225	1	1	7620	310	1	7467
6500 - 8499-	3	11	16	8051	4.0	320	2	3	10352	421	2	10562
8500 - 9499-	5	17	24	8965	4.1	365	5	5	8893	365	5	8928
9500 - 10499-	3	8	22	9367	4.3	427	1	1	7310	290	2	10799
10500-11499-	3	7	17	10779	4.0	438	3	2	11126	467	3	9778
11500-12499-	1	2	2	11570	3.9	455	1	2	9830	389	1	10126
13500-14499-	1	1	1	13990	3.7	523					1	12415
M. SHORTHORN												
6500 - 7499-	2	4	6	7274	3.7	265	1	2	10133	369	2	9752
7500 - 8499-	3	4	7	8040	3.8	306	3	1	14673	356	3	9776
ALL BREEDS												
UNDER 6500--	20	28	34	5707	4.7	268	16	1	7951	352	10	7806
6500 - 7499-	41	258	557	7106	5.0	351	31	4	8577	383	31	8606
7500 - 8499-	70	663	1659	7925	4.5	386	62	8	9095	417	65	9732
8500 - 9499-	54	354	1178	9016	4.4	391	42	9	9705	469	43	9688
9500 - 10499-	33	288	600	10013	4.0	405	24	9	10851	425	23	10511
10500-11499-	34	2098	3977	11101	3.9	422	27	60	11441	449	25	11112
11500-12499-	32	1040	1684	11934	3.9	461	31	36	11830	457	31	11597
12500-13499-	28	190	283	12970	3.8	487	21	6	11852	453	16	11700
13500-14499-	12	57	65	13873	3.6	516	11	5	12691	490	11	12015
14500-15499-	5	6	7	15062	3.5	530	5	1	13345	514	4	13309
15500-16499-	3	5	8	15823	3.9	608	1	3	13830	537	1	11745
16500- OVER	4	4	6	17745	3.8	672	4	1	15149	500	3	11786

TABLE 14.--DAUGHTER-AVERAGE OF SIKES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.		SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 6500--	4	5	10	5666	4.0	231							
6500 - 7499--	9	23	46	7018	4.1	286						7167	278
7500 - 8499--	23	179	355	8142	4.1	336	12	5	9316	376	12	9630	386
8500 - 9499--	22	368	651	9034	4.1	372	19	7	9233	371	16	9160	371
9500 -10499--	21	419	696	9890	4.1	402	16	13	10044	402	16	10232	410
10500-11499--	3	8	30	11118	4.0	443	2	2	11599	469	1	10151	398
11500-12499--	3	3	3	12057	4.1	489	2	1	11450	460	2	10646	440
12500-13499--	1	1	2	12725	4.2	529	1	1	11690	461	1	11725	467
GUERNSEY													
UNDER 6500--	15	27	39	5551	4.7	264						8117	368
6500 - 7499--	45	304	575	6977	4.8	333	22	4	8435	364	26	8969	370
7500 - 8499--	41	429	944	7940	4.8	377	26	3	8714	400	25	9146	413
8500 - 9499--	25	134	237	8942	4.7	420	16	3	8916	400	14	9561	422
9500 -10499--	6	19	39	9806	4.8	470	1	5	12765	512	1	11491	462
10500-11499--	1	1	1	10760	4.4	454	1	1	9710	453	1	9200	443
11500-12499--	2	2	2	11540	4.5	522	1	1	8060	371	1	8829	387
13500-14499--	1	1	1	14250	4.2	604							
HOLSTEIN													
UNDER 6500--	2	2	3	5090	3.7	219	1	1	6320	232	1	7990	294
6500 - 7499--	3	3	5	7352	3.5	257	1	1	11520	450	1	11576	447
7500 - 8499--	8	17	25	8135	3.7	296	4	2	10164	386	3	10636	393
8500 - 9499--	24	56	110	8975	3.7	334	6	2	10853	403	7	10530	394
9500 -10499--	46	362	1175	10014	3.7	370	21	4	11030	407	21	11439	426
10500-11499--	92	2252	4086	11016	3.7	469	71	10	12108	449	69	12154	451
11500-12499--	73	2249	3615	11949	3.8	447	60	19	12313	459	60	12377	462
12500-13499--	49	384	510	12926	3.7	476	36	8	12632	481	37	12540	470
13500-14499--	24	118	187	13902	3.7	506	18	5	12572	471	17	13222	493
14500-15499--	19	51	71	14643	3.7	554	14	3	13219	499	14	13344	509
15500-16499--	8	14	22	15698	3.7	591	6	2	14505	559	7	13392	516
16500- OVER	3	4	4	17733	4.0	687	3	1	15137	589	3	14039	555
JERSEY													
UNDER 6500--	22	72	129	5571	5.3	298	6	4	7716	388	6	7490	375
6500 - 7499--	62	952	1990	7086	5.2	369	33	4	8077	412	32	8226	416
7500 - 8499--	57	1055	1364	7973	5.3	417	49	8	8611	444	46	8609	445
8500 - 9499--	23	408	617	8675	5.3	470	16	14	9136	483	17	8903	466
9500 -10499--	1	8	10	9795	5.1	496	1	5	9279	494	1	9040	481
10500-11499--	2	6	7	11003	4.9	513	1	4	6898	355	1	6922	356
15500-16499--	1	2	2	16460	5.2	703	1	2	8815	465	1	9632	517
BROWN SWISS													
6500 - 7499--	2	3	3	6930	4.3	296	1	1	6120	274	2	9054	423
8500 - 9499--	7	27	40	9102	4.1	370	4	3	9201	377	5	9166	372
9500 -10499--	14	91	156	10019	4.2	421	9	2	11057	461	9	10269	424
10500-11499--	8	49	76	10805	4.2	455	6	3	10287	435	6	9566	410
11500-12499--	6	19	27	11850	4.3	510	5	1	12051	496	5	10801	450
12500-13499--	1	3	4	13148	4.5	588							
M. SHORTHORN													
10500-11499--	1	2	3	10500	4.0	405	1	1	11705	454	1	6960	335
ALL BREEDS													
UNDER 6500--	43	106	181	5588	4.9	276	11	3	7482	353	10	7728	365
6500 - 7499--	121	1285	2619	7045	4.9	346	59	3	8203	388	57	8505	403
7500 - 8499--	129	1680	3188	8003	4.8	384	91	6	8802	420	86	8970	426
8500 - 9499--	101	993	1655	8966	4.4	397	63	7	9330	411	61	9344	412
9500 -10499--	88	1099	2076	9968	4.0	394	50	7	10630	419	56	10747	422
10500-11499--	107	2318	4203	10997	3.8	416	82	9	11865	448	79	11790	444
11500-12499--	84	2273	3647	11936	3.8	454	68	17	12205	460	68	12164	459
12500-13499--	51	388	516	12926	3.7	479	39	8	12607	481	38	12524	470
13500-14499--	25	119	188	13916	3.7	510	18	5	12572	471	17	13222	493
14500-15499--	19	51	71	14643	3.7	554	14	3	13219	499	14	13344	509
15500-16499--	9	16	24	15690	3.9	603	7	2	13760	546	8	12947	516
16500- OVER	3	4	4	17733	4.0	687	3	1	15137	589	3	14039	555

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAOS. NO.	AV. MILK LB.	FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	2	2	2	6080	4.7	285	1	1	5840	247	1	5842	250
6500 - 7499-	2	20	47	7297	4.2	304	2	6	8740	355	2	8972	367
7500 - 8499-	9	78	167	8127	4.2	342	7	6	9666	392	7	9320	360
8500 - 9499-	26	559	1019	9054	4.2	375	23	19	9652	392	21	9518	390
10500-11499-	10	310	615	8951	3.8	379	7	39	9965	419	7	9786	420
11500-12499-	2	2	3	11280	4.1	465	1	1	13150	542	1	11870	498
12500-13499-	1	1	1	11690	4.6	538							
13500-14499-	1	1	1	12520	4.1	514							
14500-15499-	1	3	3	13620	4.0	543	1	2	12740	520	1	11870	498
16500- OVER	1	1	1	17160	4.4	753	1	1	12960	534	1	11936	497
GUERNSEY													
UNDER 6500--	11	13	21	5795	4.9	279	10	1	7581	355	7	8366	385
6500 - 7499-	31	379	836	7023	4.9	344	23	13	9466	404	21	9341	403
7500 - 8499-	34	1056	2288	8040	4.8	362	29	31	9671	427	29	9562	423
8500 - 9499-	27	260	603	9011	4.9	437	24	6	10123	446	24	9895	440
9500 - 10499-	7	15	30	9901	4.7	458	6	2	11653	481	6	11177	474
10500-11499-	2	4	10	11099	4.5	487	2	2	10312	443	2	10342	442
11500-12499-	3	3	8	11562	4.7	541	2	1	13558	525	2	12797	507
12500-13499-	1	1	1	12570	4.7	590	1	1	14610	591	1	14966	595
13500-14499-	1	1	1	13660	4.5	611	1	1	9210	464			
HOLSTEIN													
UNDER 6500--	2	2	3	4935	4.0	197	2	1	10350	362	2	9399	338
6500 - 7499-	3	4	5	6997	3.8	264	2	2	6685	279	2	9612	358
7500 - 8499-	5	6	7	7874	3.9	304	5	1	12541	462	5	12754	478
8500 - 9499-	14	23	32	8590	3.8	328	11	2	11417	431	12	11774	452
9500 - 10499-	34	85	134	10098	3.6	390	28	2	11756	448	25	11756	447
10500-11499-	56	1450	3273	11065	3.8	424	50	24	12056	458	46	12153	462
11500-12499-	77	5422	9899	11971	3.8	454	71	71	12190	461	70	12208	466
12500-13499-	52	476	932	13011	3.8	494	50	9	12766	485	50	12790	490
13500-14499-	34	175	305	14007	3.6	510	33	5	13295	501	33	13471	512
14500-15499-	33	167	251	15004	3.7	552	32	5	13927	527	31	13723	519
15500-16499-	9	20	34	15867	3.7	591	9	2	14426	551	9	13935	530
16500- OVER	12	20	28	18448	3.8	697	12	2	14491	576	10	14485	560
JERSEY													
UNDER 6500--	15	26	47	5651	5.5	318	9	2	7194	367	9	7602	391
6500 - 7499-	25	178	402	7089	5.4	382	19	3	7585	399	19	8068	422
7500 - 8499-	32	490	959	7966	5.3	422	29	7	8220	432	30	8593	438
8500 - 9499-	16	60	171	8926	5.4	479	12	2	9012	469	11	9217	479
10500-11499-	1	1	1	11060	5.4	596	1	1	10730	615	1	10017	547
11500-12499-	1	10	13	11902	5.3	634	1	10	10664	577	1	11114	568
BROWN SWISS													
UNDER 6500--	2	2	2	5735	4.1	243	1	1	7160	260	1	10355	427
6500 - 7499-	2	3	6	7074	4.6	320	2	1	10370	452	2	10519	454
7500 - 8499-	6	10	13	8060	4.4	356	4	1	8066	346	4	8938	372
8500 - 9499-	3	3	4	9140	4.4	402	1	1	9350	395	1	9276	401
9500 - 10499-	12	137	253	10080	4.3	427	6	9	10366	429	8	10194	424
10500-11499-	8	118	239	11010	4.2	467	7	8	11735	497	7	11167	472
11500-12499-	6	23	59	12051	4.5	545	4	2	11530	488	3	10961	470
12500-13499-	4	4	8	13110	4.4	566	3	1	12066	491	3	11070	468
13500-14499-	1	11	29	13994	4.3	593							
14500-15499-	2	10	16	14708	4.3	638	1	2	9415	383	2	11812	501
15500-16499-	2	3	4	16203	4.4	704	1	1	12950	556	1	11527	502
16500- OVER											1	10998	429
M. SHORTHORN													
6500 - 7499-	1	1	1	6670	4.1	274	1	1	8630	327			
7500 - 8499-	1	3	3	7807	3.7	291	1	3	6753	260			
ALL BREEDS													
UNDER 6500--	32	45	75	5794	5.0	290	23	1	7574	351	20	8099	379
6500 - 7499-	64	585	1297	7052	5.0	352	49	8	8565	395	47	8876	408
7500 - 8499-	87	1643	3437	8012	4.8	386	75	16	9178	421	75	9251	426
8500 - 9499-	86	905	1829	8944	4.6	407	71	10	9972	429	69	9990	433
9500 - 10499-	63	547	1032	9891	4.0	403	49	9	11264	445	46	11139	442
10500-11499-	69	1575	3526	11065	3.9	434	61	21	11958	466	59	11934	464
11500-12499-	88	5459	9980	11959	3.9	466	78	65	12171	466	76	12160	468
12500-13499-	58	482	942	13002	3.9	501	54	8	12705	488	54	12734	491
13500-14499-	37	190	338	13986	3.7	516	35	5	13162	501	34	13424	512
14500-15499-	35	177	267	14987	3.7	557	33	5	13791	522	33	13607	516
15500-16499-	11	23	38	15928	3.8	611	10	2	14231	552	10	13694	528
16500- OVER	14	22	30	18824	3.9	722	13	2	14374	572	12	15982	544

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPLD ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRS NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRS NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	2	2	2	6050	3.9	236							
7500 - 8499-	3	4	5	8180	4.0	329	2	2	9273	373	2	9285	370
8500 - 9499-	3	16	29	8961	4.3	384	3	5	11000	445	3	10905	441
9500 -10499-	13	78	140	10073	4.1	407	12	5	10560	431	11	10420	425
10500-11499-	6	29	55	10837	4.0	427	4	4	10805	442	4	10608	433
11500-12499-	1	2	9	11773	3.9	466							
GUERNSEY													
UNDER 6500--	1	1	3	6150	4.7	288	1	1	7190	344	1	7064	335
6500 - 7499-	4	14	29	7053	4.7	332	2	4	8366	383	2	8059	376
7500 - 8499-	4	19	47	8067	5.0	395	4	4	9111	412	4	8303	383
8500 - 9499-	8	32	72	8887	4.8	429	7	3	10142	460	7	9511	434
9500 -10499-	3	6	19	9204	4.6	451	3	2	9335	428	3	9260	421
11500-12499-	3	3	5	11977	4.4	525	3	1	10893	506	1	11936	531
HOLSTEIN													
UNDER 6500--	{ 2	2	2	3905	3.5	135	1	1	11620	416	1	10900	379
	{ 1	1	1	2630	3.8	100	1	1	10260	406	1	9647	363
7500 - 8499-	1	1	1	8440	4.1	342	1	1	11100	417	1	10878	408
8500 - 9499-	4	11	14	9030	3.8	344	4	3	11486	435	4	11659	431
9500 -10499-	6	9	11	10147	3.8	389	5	1	11508	439	5	11210	421
10500-11499-	13	39	58	10383	3.7	406	12	3	11578	432	12	11571	435
11500-12499-	13	44	86	12097	3.9	464	12	3	12092	459	11	11727	438
12500-13499-	26	138	237	12963	3.9	497	23	5	12626	477	21	12616	478
13500-14499-	15	48	88	14014	3.7	514	15	3	13184	494	11	12431	464
14500-15499-	9	41	55	14923	3.6	542	9	5	12560	487	8	13037	501
15500-16499-	4	4	7	15974	3.6	574	4	1	14356	529	3	15071	557
16500- OVER	9	12	17	17758	3.6	643	9	1	12563	464	6	13344	514
JERSEY													
UNDER 6500--	3	4	4	5610	4.8	272							
6500 - 7499-	5	5	12	6771	5.2	353							
7500 - 8499-	2	9	18	7997	5.8	459					1	8938	486
8500 - 9499-	1	1	1	9080	5.1	460							
10500-11499-	2	2	7	10944	5.1	550							
BROWN SWISS													
11500-12499-	1	1	2	12180	3.9	480							
12500-13499-	1	1	1	12910	4.0	511	1	1	8680	345	1	9756	389
ALL BREEDS													
UNDER 6500--	{ 8	9	11	5361	4.2	231	2	1	9405	380	2	8982	357
	{ 10	20	42	6469	4.9	319	3	3	8997	391	3	8588	372
7500 - 8499-	10	33	71	8124	4.8	383	7	3	9441	401	8	8950	396
8500 - 9499-	16	60	116	8949	4.5	401	14	3	10710	450	14	10424	435
9500 -10499-	22	93	170	10070	4.1	408	20	3	10613	432	19	10444	423
10500-11499-	21	70	120	10938	3.9	426	16	3	11385	434	16	11350	434
11500-12499-	18	50	102	12064	3.9	475	15	3	11853	469	12	11745	446
12500-13499-	27	139	238	12961	3.9	498	24	5	12461	471	22	12486	474
13500-14499-	15	48	88	14014	3.7	514	15	3	13184	494	11	12431	464
14500-15499-	9	41	55	14923	3.6	542	9	5	12560	487	8	13037	501
15500-16499-	4	4	7	15974	3.6	574	4	1	14356	529	3	15071	557
16500- OVER	9	12	17	17758	3.6	643	9	1	12563	464	6	13344	514

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYKSHIRE													
UNDER 6500--	3	3	4	5188	4.3	225	1	1	10290	397	2	9374	393
6500 - 7499--	5	11	13	6869	4.1	285	5	2	9611	392	5	9586	369
7500 - 8499--	5	41	74	8059	4.2	333	5	8	9771	434	2	10352	433
8500 - 9499--	30	379	824	8983	4.1	369	29	6	9581	389	28	9499	387
9500 - 10499--	8	78	235	9745	4.1	394	7	2	9749	398	7	9577	394
10500-11499--	10	115	304	10773	4.1	440	7	9	9953	406	7	9678	396
11500-12499--	2	2	9	11677	4.3	494	1	1	10710	418	1	9708	386
GUERNSEY													
UNDER 6500--	8	10	16	5778	4.9	278	3	1	8563	383	3	7826	368
6500 - 7499--	23	116	260	7172	4.8	341	16	3	8980	408	15	9322	424
7500 - 8499--	46	867	1948	7976	4.8	383	35	17	9421	426	33	9280	426
8500 - 9499--	35	578	1285	8901	4.7	416	27	17	9746	446	26	9732	445
9500 - 10499--	20	79	229	10005	4.7	473	15	2	9991	469	13	10335	480
10500-11499--	5	6	23	10908	5.0	542	5	1	10258	489	5	10056	489
11500-12499--	2	13	36	11549	4.7	537	2	3	10855	488	2	11557	522
12500-13499--	2	2	2	13020	4.9	632	1	1	9950	480	1	10115	470
14500-15499--	2	2	4	14964	4.9	740	1	1	11360	553	1	10940	544
15500-16499--	1	1	3	16220	4.5	721	1	1	13400	625	1	12844	609
HOLSTEIN													
UNDER 6500--	2	3	3	5540	3.8	203	1	2	8360	266	2	14514	540
6500 - 7499--	3	4	6	7094	3.4	238	3	1	8676	317	3	8194	307
7500 - 8499--	5	5	8	7958	3.5	278	5	1	10110	383	5	10537	391
8500 - 9499--	9	27	58	9040	3.9	348	7	1	10086	380	7	11129	421
9500 - 10499--	23	74	191	10060	3.7	367	18	1	11543	425	17	12204	445
10500-11499--	46	1048	2608	10980	3.8	410	39	17	11897	443	37	11693	436
11500-12499--	58	2728	5752	12004	3.7	446	54	42	12626	470	54	12349	463
12500-13499--	64	2876	4555	13015	3.7	483	60	45	13007	487	58	13017	485
13500-14499--	38	134	235	14017	3.7	521	34	4	13437	506	32	13511	515
14500-15499--	25	122	195	14946	3.8	564	21	5	14169	530	20	14201	536
15500-16499--	16	35	75	15915	3.6	568	15	2	14481	539	15	14680	547
16500- OVER	20	29	64	17765	3.6	641	18	1	14540	536	17	14528	560
JERSEY													
UNDER 6500--	5	6	13	5787	5.2	298	3	1	8784	470	3	8826	478
6500 - 7499--	11	27	52	7136	5.3	380	8	2	8258	420	5	7858	414
7500 - 8499--	15	84	131	8067	5.3	426	7	3	8828	473	7	8985	469
8500 - 9499--	27	185	300	8915	5.2	466	16	5	8773	463	20	9311	461
9500 - 10499--	9	13	34	10038	5.3	531	3	1	8622	473	3	8557	442
10500-11499--	1	4	5	10515	5.4	509	1	4	7893	456	1	8382	463
11500-12499--	1	1	1	11680	5.5	644							
BROWN SWISS													
UNDER 6500--	5	7	9	6425	4.4	280	3	2	6519	272	4	7116	377
6500 - 8499--	1	1	1	8060	3.9	317							
8500 - 9499--	3	5	6	9000	4.2	376	2	1	7210	340	2	11800	509
9500 - 10499--	3	24	49	10032	4.2	420	1	13	10962	466	1	10585	448
10500-11499--	8	44	67	10979	4.2	466	7	4	11970	505	7	11669	490
11500-12499--	8	68	120	11857	4.2	500	6	6	12022	518	6	11971	522
12500-13499--	2	6	10	13147	4.3	555	1	1	13660	583	1	12088	519
13500-14499--	3	6	16	13854	4.2	580	2	1	13014	579	2	11894	513
M. SHORTHORN													
UNDER 6500--	1	1	1	3660	4.4	172	1	1	8700	344	1	7772	306
ALL BREEDS													
UNDER 6500--	19	23	37	5561	4.7	261	9	1	8821	393	11	9591	428
6500 - 7499--	47	165	340	7047	4.7	331	35	2	8664	389	32	8753	400
7500 - 8499--	72	998	2162	8001	4.8	380	48	12	9428	429	47	9416	429
8500 - 9499--	104	1174	2473	8943	4.6	408	83	10	9445	422	83	9720	429
9500 - 10499--	64	269	739	9842	4.2	423	45	2	10441	437	42	10756	443
10500-11499--	70	1217	3007	10938	4.0	432	59	13	11468	450	57	11241	443
11500-12499--	71	2812	5918	11960	3.9	459	63	37	12482	474	63	12242	469
12500-13499--	68	2684	4347	13019	3.8	489	62	43	12968	489	60	12953	486
13500-14499--	41	140	251	14005	3.8	525	36	3	13413	510	34	13416	515
14500-15499--	27	124	199	14948	3.9	577	22	5	14042	531	21	14046	536
15500-16499--	17	36	78	15933	3.6	577	16	2	14413	544	16	14565	551
16500- OVER	20	29	64	17765	3.6	641	18	1	14540	536	17	14528	560

TABLE 14.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY		AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRE NO.	DAUS. NO.		MILK LB.	SIRE NO.	MILK LB.
AYRSHIRE												
UNDER 6500--	2	3	4	5643	4.2	232	1	1	8540	337	1	9243 373
6500 - 7499--	1	4	7	7348	4.1	306						
7500 - 8499--	14	158	314	8071	4.0	320	6	3	9645	387	4	9858 401
8500 - 9499--	39	1298	2894	9058	4.1	372	31	10	10336	415	27	10017 403
9500 -10499--	23	1472	2770	9968	4.0	401	21	36	9979	401	21	10330 414
10500-11499--	14	67	174	11041	4.1	452	5	5	10963	445	5	11279 466
11500-12499--	4	5	9	11817	4.1	480	4	1	11274	468	3	9260 374
12500-13499--	3	3	12	13036	3.8	496	1	1	11150	443	1	10791 427
15500-16499--	1	3	4	16057	4.1	634	1	1	11790	461	1	11707 483
GUERNSEY												
UNDER 6500--	15	31	43	5795	4.8	275	3	3	8234	347	4	8483 400
6500 - 7499--	54	636	1337	7147	4.9	350	25	3	8664	398	23	9206 427
7500 - 8499--	93	3022	6989	8041	4.8	363	51	9	9146	422	49	9233 430
8500 - 9499--	50	1346	2920	8869	4.8	417	27	13	9165	421	25	9329 433
9500 -10499--	21	39	78	9906	4.6	454	7	2	9874	428	3	10081 480
10500-11499--	5	9	21	11052	4.6	504	2	2	10795	472	1	11222 454
11500-12499--	3	3	7	11797	4.1	478	1	1	9840	505	1	9560 456
HOLSTEIN												
UNDER 6500--	7	12	12	5659	3.7	208	3	1	8490	317	4	13017 475
6500 - 7499--	6	8	18	7194	3.6	260	2	1	13130	459	2	14100 517
7500 - 8499--	13	15	18	7976	3.7	294	1	1	10777	368	3	12568 462
8500 - 9499--	15	32	80	8861	3.7	327	5	1	10498	383	5	10873 394
9500 -10499--	47	1049	2808	10058	3.7	368	18	3	12108	456	17	11859 437
10500-11499--	106	8932	21164	11090	3.7	406	69	20	12357	452	64	12469 454
11500-12499--	212	38361	75140	11992	3.7	459	167	99	12652	462	165	12653 461
12500-13499--	149	17247	30647	12932	3.6	470	115	87	12930	473	110	12991 474
13500-14499--	68	2272	5043	13899	3.6	505	52	38	13252	488	48	13288 493
14500-15499--	25	95	194	14896	3.7	545	12	4	13763	509	12	13717 506
15500-16499--	18	54	68	16041	3.5	564	11	4	13887	508	9	14316 527
16500-- OVER	7	8	10	18178	3.5	633	5	1	14526	528	5	14767 539
JERSEY												
UNDER 6500--	20	45	71	5420	5.4	291	9	2	7115	358	9	8339 399
6500 - 7499--	41	907	2155	7091	5.4	301	26	6	7785	404	26	8246 424
7500 - 8499--	47	1483	3071	7875	5.2	408	35	13	7905	410	35	8259 420
8500 - 9499--	20	124	280	8911	5.2	460	13	4	8269	432	13	8799 453
9500 -10499--	7	8	19	9950	5.1	503	2	1	9920	448	2	9827 450
10500-11499--	3	8	22	10588	5.4	568	2	3	9181	461	2	9451 453
11500-12499--	1	2	4	11524	5.5	626	1	2	8695	482	1	9412 523
14500-15499--	1	5	6	14638	4.5	619	1	5	8492	443	1	10342 541
BROWN SWISS												
UNDER 6500--	3	3	4	4905	4.3	210						
6500 - 7499--	3	6	9	7164	4.3	305	2	1	10770	442	1	12415 481
7500 - 8499--	1	1	2	8445	4.1	340						
8500 - 9499--	8	133	238	8972	4.1	369	6	6	10533	429	6	10028 410
9500 -10499--	20	761	1326	9999	4.2	415	17	18	10898	445	16	11109 450
10500-11499--	25	237	416	10990	4.2	460	18	6	11272	469	18	11609 473
11500-12499--	8	44	81	11993	4.2	495	5	4	11241	477	5	11220 452
12500-13499--	7	43	61	12972	4.2	538	6	6	11065	493	6	11577 484
13500-14499--	3	9	16	13874	4.2	550	2	4	11371	461	2	11365 466
14500-15499--	2	2	2	15110	4.1	614	1	1	15270	640	1	13603 567
15500-16499--	1	1	1	16390	4.3	711	1	1	12320	522	1	11707 500
16500-- OVER	1	1	1	17440	4.1	715	1	1	12280	529	1	11968 509
M. SHORTHORN												
6500 - 7499--	2	9	9	7132	3.9	276	2	2	8709	312	2	8797 315
7500 - 8499--	1	3	4	8057	4.1	326	1	1	6440	256	1	6649 253
9500 -10499--	1	1	1	9620	3.9	377						
ALL BREEDS												
UNDER 6500--	47	94	134	5552	4.8	266	16	2	7672	347	16	9461 414
6500 - 7499--	107	1570	3535	7150	5.0	354	57	4	8495	402	54	8969 426
7500 - 8499--	169	4682	10398	7995	4.8	380	96	10	8747	413	92	8970 424
8500 - 9499--	132	2933	6412	8937	4.5	398	82	9	9647	418	76	9659 421
9500 -10499--	119	3330	7002	9994	4.1	406	65	17	10796	432	61	10957 435
10500-11499--	153	9253	21797	11058	3.9	425	96	16	11982	456	90	12150 459
11500-12499--	228	38415	75241	11984	3.7	443	178	93	12543	462	175	12518 459
12500-13499--	159	17293	30720	12936	3.7	473	122	82	12863	474	117	12900 474
13500-14499--	71	2281	3059	13898	3.7	508	54	36	13183	487	50	13211 492
14500-15499--	28	102	202	14909	3.7	552	14	4	13494	514	14	13468 513
15500-16499--	20	58	73	16060	3.6	575	13	4	13605	506	11	13841 521
16500-- OVER	8	9	11	18085	3.6	643	6	1	14152	528	6	14317 534

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	1	1	1	4280	4.5	192							
6500 - 7499-	1	1	1	6650	4.1	280							
7500 - 8499-	6	9	20	7952	4.4	344	1	2	8298	375		9601	394
8500 - 9499-	5	14	26	9006	4.1	370	1	1	9690	400	1	9476	370
10500-11499-	5	7	11	10858	4.3	466							
12500-13499-	1	1	3	12873	4.0	516							
GUERNSEY													
UNDER 6500--	14	26	53	5952	4.8	286	3	1	10480	459	3	10233	425
6500 - 7499-	32	171	448	7054	4.9	341	7	1	8450	394	4	8701	391
7500 - 8499-	73	1191	2664	8058	4.8	387	41	4	9439	441	41	9438	423
8500 - 9499-	42	398	945	8928	4.7	417	21	4	9061	429	19	9230	414
9500 -10499-	14	26	66	9914	4.7	468	3	2	9413	446	4	10080	461
10500-11499-	4	7	18	10755	4.8	510	1	1	9348	450	1	8949	421
12500-13499-	1	1	1	13210	4.6	603							
16500- OVER													
HOLSTEIN													
UNDER 6500--	1	2	3	6233	3.6	224	1	1	10750	403	1	9418	393
6500 - 7499-	4	4	4	7055	3.7	257							
7500 - 8499-	7	10	14	8097	3.7	300	2	2	11678	432	2	11271	425
8500 - 9499-	18	36	64	8971	3.8	341	8	1	11297	422	9	11104	411
9500 -10499-	43	216	544	10055	3.7	369	18	2	11772	435	18	11637	431
10500-11499-	91	2137	5672	11158	3.7	414	54	8	12218	453	54	12187	455
11500-12499-	121	6381	14030	11985	3.7	437	86	26	12369	460	83	12335	459
12500-13499-	93	1593	2534	12944	3.7	475	67	16	12625	473	65	12506	469
13500-14499-	41	194	292	13938	3.7	511	30	5	13466	501	29	13404	500
14500-15499-	24	67	97	14823	3.7	543	15	3	13502	505	12	12945	482
15500-16499-	9	11	19	16065	3.7	584	6	1	13806	524	5	13714	511
16500- OVER	9	9	14	18166	3.7	659	6	1	14477	544	8	13778	518
JERSEY													
UNDER 6500--	6	15	23	5692	5.7	320	1	1	6690	382	2	8987	471
6500 - 7499-	12	60	157	7102	5.2	370	1	2	9308	455	2	9261	401
7500 - 8499-	15	94	270	7663	5.3	404	3	1	7833	437	3	10773	440
8500 - 9499-	9	73	146	9048	5.0	452	4	6	9042	463	4	9052	454
9500 -10499-	3	16	37	9833	5.2	510	2	2	10479	554	2	9383	506
10500-11499-	4	18	26	10716	5.1	544	3	5	9588	495	3	9485	494
BROWN SWISS													
UNDER 6500--	3	3	5	5162	4.4	226							
6500 - 7499-	2	2	2	7275	4.2	302	1	1	8910	373			
7500 - 8499-	9	20	35	7944	4.2	333	2	1	11335	464	2	11440	472
8500 - 9499-	7	148	274	9016	4.4	391	6	6	10988	451	6	10914	459
9500 -10499-	18	144	328	10041	4.2	419	11	4	11364	463	9	10858	458
10500-11499-	14	212	440	10970	4.2	455	11	7	10690	441	11	10593	445
11500-12499-	14	44	96	12051	4.2	506	7	2	11276	463	7	11411	472
12500-13499-	4	8	16	13077	4.3	557	2	2	10563	448	2	11575	483
13500-14499-	4	10	12	14059	4.3	597	3	2	11257	471	3	11753	487
14500-15499-	3	3	3	14863	4.3	637	1	1	12160	503	1	12829	526
16500- OVER	1	1	1	16530	3.9	642							
ALL BREEDS													
UNDER 6500--	25	47	85	5739	4.9	281	5	1	9776	432	6	9682	435
6500 - 7499-	51	238	612	7070	4.8	338	9	1	8596	398	6	8888	394
7500 - 8499-	110	1324	3003	7992	4.7	377	49	4	9486	440	50	9678	425
8500 - 9499-	81	669	1455	8963	4.5	399	40	4	9811	434	39	9910	423
9500 -10499-	78	402	975	10018	4.1	404	34	3	11356	452	33	11099	446
10500-11499-	118	2381	6167	11095	3.9	429	69	8	11818	453	69	11769	454
11500-12499-	135	6425	14126	11992	3.7	445	93	24	12287	461	90	12263	460
12500-13499-	99	1603	2554	12951	3.7	480	69	16	12565	472	67	12478	469
13500-14499-	45	204	304	13949	3.7	519	33	5	13266	499	32	13249	498
14500-15499-	27	70	100	14828	3.7	553	16	3	13418	505	13	12956	486
15500-16499-	9	11	19	16065	3.7	584	6	1	13806	524	5	13714	511
16500- OVER	11	11	17	18639	3.9	689	9	1	13956	537	9	13150	502

TABLE 14.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNOER 6500--	5	16	22	6052	4.3	257	5	3	7467	294	5	8695	353
6500 - 7499-	6	19	26	7242	4.0	269	5	3	8570	354	5	8728	358
7500 - 8499-	29	838	1736	8101	4.2	338	28	22	8941	364	27	9160	373
8500 - 9499-	47	1792	3528	8923	4.2	372	41	37	9346	383	41	9561	394
9500 - 10499-	10	39	123	9903	4.2	412	10	3	9567	397	9	9906	407
10500-11499-	4	6	11	10993	4.0	440	4	1	10798	416	4	11356	441
11500-12499-	4	6	17	11952	4.2	497	4	2	10828	446	4	11575	474
12500-13499-	2	2	2	13175	3.8	495	2	1	8910	365	2	10072	414
13500-14499-	1	2	2	14375	4.3	615	1	2	11540	499	1	11129	489
GUERNSEY													
UNOER 6500--	41	242	365	5603	4.9	274	32	7	8564	378	29	9066	396
6500 - 7499-	152	6486	14411	7099	4.9	345	141	35	8541	386	135	8739	398
7500 - 8499-	144	7091	17071	7892	4.8	349	132	42	8730	394	124	8848	403
8500 - 9499-	27	133	384	8913	4.8	426	23	5	8781	413	19	8879	424
9500 - 10499-	15	16	37	9814	4.7	456	10	1	8881	406	10	9315	425
10500-11499-	3	3	8	11130	4.8	534	2	1	8541	411	2	8637	389
11500-12499-	2	2	3	11720	4.5	518	2	1	11215	511	1	9145	466
12500-13499-	1	1	4	13365	4.2	555	1	1	11155	519	1	8785	449
14500-15499-	1	1	1	15350	4.3	666	1	1	8630	437	1	10192	523
HOLSTEIN													
UNOER 6500--	8	9	9	5433	4.0	216	5	1	9370	367	5	11951	464
6500 - 7499-	9	11	11	6618	3.6	246	7	1	11019	416	7	12348	469
7500 - 8499-	21	36	48	8049	3.6	290	17	2	10832	398	12	11657	427
8500 - 9499-	31	80	145	9065	3.8	344	29	2	10032	372	21	10507	394
9500 - 10499-	95	2310	5155	10080	3.7	371	88	18	10970	410	77	11395	427
10500-11499-	256	43224	89877	11039	3.7	410	245	153	11414	425	238	11583	433
11500-12499-	224	41316	82778	11939	3.7	439	215	176	11710	436	205	11978	449
12500-13499-	92	2456	3938	12939	3.7	471	84	28	11839	440	79	12072	449
13500-14499-	40	276	422	13767	3.7	510	37	7	12199	456	36	12495	467
14500-15499-	26	37	66	14989	3.7	551	25	1	12956	482	19	13401	504
15500-16499-	7	9	23	15891	3.6	561	7	1	12626	470	6	12339	458
16500- OVER	11	25	29	18144	3.7	669	9	3	14123	531	6	14378	540
JERSEY													
UNOER 6500--	37	411	721	5937	5.3	317	21	9	7434	384	21	7502	392
6500 - 7499-	80	2396	5332	6912	5.3	363	68	13	7622	397	65	7802	410
7500 - 8499-	50	1543	3175	7716	5.2	403	37	20	7962	419	36	8390	436
8500 - 9499-	14	4	14	8736	5.2	465	10	2	8315	441	9	8294	438
9500 - 10499-	4	4	5	9920	5.1	501	3	1	9513	413	2	9445	465
11500-12499-	2	2	3	11643	4.9	570	1	1	8160	428	1	10366	513
BROWN SWISS													
UNOER 6500--	4	6	7	5565	4.1	226	2	2	7425	302	2	7451	294
6500 - 7499-	3	9	17	6880	4.2	292	3	2	9073	369	3	8528	347
7500 - 8499-	10	16	28	8201	4.2	345	4	2	8665	362	4	8716	362
8500 - 9499-	15	136	226	9062	4.2	383	10	7	10462	427	9	10349	431
9500 - 10499-	11	238	419	10064	4.2	427	10	11	10559	439	10	10398	434
10500-11499-	12	211	387	10954	4.1	454	8	14	10810	453	8	10640	450
11500-12499-	7	10	22	12171	4.2	510	2	2	11107	448	2	11446	477
12500-13499-	2	4	7	12931	4.1	530	1	3	10824	452	1	10004	419
13500-14499-	1	2	3	14045	4.0	560	1	1	11800	456	1	12099	491
14500-15499-	1	1	1	15300	4.3	658							
15500-16499-	1	1	1	16120	3.8	615	1	1	11660	454	1	13178	533
16500- OVER	1	1	1	17250	3.8	651							
M. SHORTHORN													
UNOER 6500--	3	3	4	4790	3.9	185	3	1	6458	233	3	5626	213
6500 - 7499-	1	4	4	7263	3.8	268	1	1	6560	234			
7500 - 8499-	3	12	18	7863	4.0	311	2	2	5214	190	2	5486	207
8500 - 9499-	2	2	3	8913	3.6	322	2	1	7943	296	2	7243	275
ALL BREEDS													
UNOER 6500--	98	687	1128	5712	4.9	280	68	6	8067	364	65	8519	385
6500 - 7499-	251	8925	19801	7024	4.9	344	225	26	8339	388	215	8567	403
7500 - 8499-	257	9536	22076	7906	4.7	370	220	31	8760	392	207	8933	404
8500 - 9499-	136	2188	4427	8970	4.3	387	115	16	9369	394	101	9541	404
9500 - 10499-	135	2607	5739	10031	3.9	372	121	14	10611	411	108	10950	427
10500-11499-	275	43444	90283	11036	3.8	413	259	145	11364	426	252	11526	433
11500-12499-	239	41336	82823	11941	3.7	444	224	169	11669	437	211	11944	450
12500-13499-	97	2463	3951	12948	3.7	473	88	27	11753	439	83	11959	448
13500-14499-	42	280	427	13978	3.7	514	37	7	12172	457	36	12447	469
14500-15499-	28	39	68	15013	3.7	559	24	1	12776	480	20	13241	505
15500-16499-	8	10	24	15919	3.6	568	8	1	12507	468	7	12459	469
16500- OVER	12	26	30	18070	3.7	667	9	3	14123	531	6	14378	540

TABLE 14.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	1	2	5	5862	4.1	234							
6500 - 7499--	3	3	8	7067	4.2	297	2	1	6325	254	1	6867	259
7500 - 8499--	8	24	48	8136	3.9	314	5	3	9835	380	4	10559	403
8500 - 9499--	18	267	539	9000	4.1	366	16	9	9732	383	16	9467	375
9500 - 10499--	26	502	899	9907	4.0	397	22	13	9934	393	20	10206	402
10500-11499--	1	1	1	11230	4.5	501	1	1	9880	412			
11500-12499--	2	14	28	11669	4.0	461	1	4	9635	387	1	8799	338
GUERNSEY													
UNDER 6500--	14	23	42	5757	4.8	276	6	1	8772	386	6	8511	382
6500 - 7499--	30	287	597	7104	4.8	343	22	8	8530	380	18	8835	402
7500 - 8499--	76	1145	2456	8022	4.7	379	70	12	8937	403	66	8538	414
8500 - 9499--	34	289	644	9006	4.7	421	30	6	9236	415	27	9137	456
9500 - 10499--	13	23	32	9825	4.6	446	8	2	10219	439	7	10176	664
10500-11499--	3	3	3	10933	4.7	519	2	1	10455	484	1	10442	471
11500-12499--	1	1	1	11700	4.3	506	1	1	10630	486	1	11652	516
12500-13499--	1	1	2	12505	3.4	422	1	1	14595	501	1	10442	353
HOLSTEIN													
UNDER 6500--	2	2	2	5330	3.9	209	2	1	7620	269	1	13505	487
6500 - 7499--	3	3	4	7267	3.9	282	2	1	11448	445	2	11173	414
7500 - 8499--	5	6	9	8270	3.6	296	1	1	11740	441	1	11292	420
8500 - 9499--	10	14	26	9136	3.6	327	7	2	10485	379	7	10418	383
9500 - 10499--	34	126	263	10050	3.6	366	30	2	11525	417	27	12142	438
10500-11499--	60	1119	2244	11127	3.6	399	50	16	12306	443	49	12151	434
11500-12499--	113	6778	12699	12048	3.6	434	103	56	12343	443	96	12217	437
12500-13499--	94	6064	10690	12904	3.6	462	90	62	12693	457	86	12629	454
13500-14499--	33	319	491	13694	3.6	496	32	9	12616	457	26	13004	468
14500-15499--	7	71	96	14816	3.4	509	6	11	13000	472	5	13278	483
15500-16499--	7	10	14	15853	3.6	563	6	1	13891	499	6	14131	502
16500-- OVER	8	8	18	17573	3.6	624	8	1	13253	463	4	12711	439
JERSEY													
UNDER 6500--	18	43	84	5897	5.4	318	9	2	7316	380	6	8128	396
6500 - 7499--	47	726	1485	7100	5.4	380	41	10	7940	410	37	7974	416
7500 - 8499--	67	1507	2905	7858	5.2	405	59	17	8080	414	53	8147	422
8500 - 9499--	20	171	243	8903	5.2	462	12	12	8938	465	12	8898	469
9500 - 10499--	7	21	29	9802	5.1	498	6	3	9601	496	5	9141	484
10500-11499--	2	3	4	10989	5.0	540	2	2	9237	482	2	9576	509
12500-13499--	1	1	3	12970	4.9	634	1	1	10265	538	1	9701	509
13500-14499--	1	1	1	13750	4.6	633							
BROWN SWISS													
UNDER 6500--	1	4	4	6228	4.0	251	1	1	4690	189			
6500 - 7499--	1	1	1	7090	4.5	321	1	1	11040	463			
7500 - 8499--	7	19	32	8045	4.4	354	6	1	10238	413	5	9966	405
8500 - 9499--	12	50	107	9173	4.1	375	9	2	10980	452	9	11189	461
9500 - 10499--	21	428	761	10019	4.1	412	19	13	10583	430	16	10350	421
10500-11499--	29	803	1375	11036	4.1	453	23	19	10874	444	21	10800	443
11500-12499--	11	48	58	12095	4.1	499	9	4	11266	471	7	10147	408
12500-13499--	5	5	9	12836	4.2	535	2	1	11655	476	2	10361	408
13500-14499--	4	7	14	14040	4.0	562	2	1	11060	453	2	11576	459
14500-15499--	2	2	2	15375	4.3	659	1	1	11810	473	1	10333	423
15500-16499--	1	2	3	15638	4.0	585							
M. SHORTHORN													
6500 - 7499--	2	2	4	7275	3.9	282	2	1	7592	294	2	8101	315
7500 - 8499--	1	3	3	7980	3.6	293	1	3	8370	310	1	9145	372
9500 - 10499--	1	2	3	10360	3.9	404	1	2	10403	405	1	7870	300
ALL BREEDS													
UNDER 6500--	36	74	137	5819	5.0	291	18	1	7689	362	13	8718	396
6500 - 7499--	86	1022	2099	7110	5.0	358	70	8	8214	394	61	8347	406
7500 - 8499--	164	2704	5453	7969	4.8	363	142	13	8683	407	136	8674	417
8500 - 9499--	94	791	1559	9018	4.5	403	74	7	9622	417	71	9558	433
9500 - 10499--	102	1102	1987	9965	4.1	403	86	7	10641	421	78	10808	446
10500-11499--	95	1929	3627	11091	3.8	423	78	16	11726	445	73	11668	439
11500-12499--	127	6841	12786	12044	3.7	441	114	53	12221	445	105	12041	434
12500-13499--	101	6071	10704	12897	3.6	467	94	59	12665	459	90	12522	452
13500-14499--	38	327	506	13905	3.7	509	34	6	12525	457	28	12902	467
14500-15499--	9	73	98	14940	3.6	542	7	10	12850	472	6	12787	473
15500-16499--	8	12	17	15826	3.6	566	6	1	13891	499	6	14131	502
16500-- OVER	8	8	18	17573	3.6	624	8	1	13253	463	4	12711	439

TABLE 14.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERD AVERAGE MILK LB.	FAT LB.
AYRSHIRE													
UNDER 6500--	1	1	2	5290	4.7	249	1	1	8940	367	1	10388	412
6500 - 7499--	3	3	4	6352	4.0	275	1	1	6000	258	1	7692	306
7500 - 8499--	7	25	41	7882	4.2	331	4	5	9278	309	3	10061	399
8500 - 9499--	7	28	54	8968	4.1	364	7	3	9142	371	6	9261	368
9500 - 10499--	11	37	71	10037	4.0	405	10	3	9132	390	5	9219	365
10500-11499--	2	3	10	10947	4.0	428	1	1	9146	360	1	10264	419
GUERNSEY													
UNDER 6500--	9	13	23	5616	5.0	279	1	1	6873	328	1	8121	388
6500 - 7499--	14	33	73	7127	5.2	371	11	2	8892	427	11	8622	423
7500 - 8499--	53	428	902	8036	4.9	393	44	7	9311	440	42	8844	421
8500 - 9499--	47	508	1101	8964	4.8	426	39	10	9111	432	35	9257	439
9500 - 10499--	25	46	91	9977	4.7	466	16	2	9384	442	14	9826	466
10500-11499--	6	10	27	10885	4.8	522	4	2	10546	492	4	9439	450
11500-12499--	2	4	4	11837	5.0	585	2	1	12440	628	2	11456	613
HOLSTEIN													
UNDER 6500--	2	2	4	6005	3.9	237	1	1	8770	330	2	10791	412
6500 - 7499--	1	1	1	6870	3.8	264	1	1	11610	452			
7500 - 8499--	4	4	5	8103	3.7	299	1	1	8740	320	1	8578	304
8500 - 9499--	10	11	13	9192	3.8	349	3	1	11083	383	3	11225	397
9500 - 10499--	18	32	60	10088	3.6	362	12	2	12129	436	12	11915	428
10500-11499--	41	287	559	10976	3.7	407	32	8	12559	462	50	12124	444
11500-12499--	77	1059	2000	12086	3.7	445	68	14	12666	465	65	12360	455
12500-13499--	82	2034	3519	13003	3.7	478	77	23	13144	482	78	12837	473
13500-14499--	59	719	1384	13949	3.6	500	49	13	13461	498	44	13147	485
14500-15499--	20	74	94	14931	3.6	536	18	3	13641	560	17	13437	494
15500-16499--	9	17	21	16049	3.6	570	7	2	12361	463	6	12975	481
16500-- OVER	11	14	21	17227	3.6	630	7	1	14734	542	6	14595	541
JERSEY													
UNDER 6500--	8	31	63	5731	5.6	319	5	2	7181	362	5	7940	398
6500 - 7499--	19	97	170	7129	5.3	374	15	4	7796	406	14	7879	407
7500 - 8499--	31	114	234	7963	5.2	410	22	2	8223	420	20	8145	419
8500 - 9499--	17	70	133	8944	5.2	456	14	3	8778	453	13	8565	447
9500 - 10499--	9	23	35	9998	5.2	513	6	3	8318	423	5	8601	436
10500-11499--	2	3	5	11194	5.2	574	1	2	10675	535	1	9657	494
11500-12499--	2	3	8	11889	5.1	597	1	2	10350	542			
BROWN SWISS													
UNDER 6500--	3	3	6	5922	4.6	262	1	1	12430	476	2	10968	420
6500 - 7499--	5	6	10	6813	4.3	294	1	1	13310	555	1	11271	465
7500 - 9499--	7	27	57	9162	4.0	365	3	2	9656	385	5	9808	395
9500 - 10499--	14	57	97	9928	4.1	405	12	5	10456	410	12	10061	405
10500-11499--	9	58	106	11096	4.0	444	7	6	11204	461	7	11267	457
11500-12499--	9	52	86	11965	4.2	503	6	5	11967	490	6	11155	459
12500-13499--	7	24	42	12911	4.1	526	3	5	12320	485	2	11263	451
13500-14499--	3	15	20	13761	4.2	578	2	6	12536	509	2	10430	419
14500-15499--	1	1	1	14590	4.5	651	1	1	12720	519	1	11271	465
M. SHORTHORN													
7500 - 8499--	1	1	1	7740	3.6	275	1	1	8110	368	1	5853	207
8500 - 9499--	1	1	1	8760	4.3	374	1	1	8120	307			
10500-11499--	1	1	1	11120	3.5	394	1	1	6470	256	1	6971	343
11500-12499--	1	1	1	11510	3.6	412							
ALL BREDS													
UNDER 6500--	20	47	92	5684	5.1	289	8	2	7561	355	9	8866	402
6500 - 7499--	40	137	254	7011	5.1	355	29	3	8441	413	20	3365	411
7500 - 8499--	101	578	1193	7942	4.9	364	75	5	9012	429	68	8660	415
8500 - 9499--	89	645	1359	8999	4.6	412	69	7	9157	423	62	9254	428
9500 - 10499--	77	195	354	10005	4.3	427	56	2	10043	423	51	10153	424
10500-11499--	61	362	708	10994	3.9	430	46	6	11930	459	44	11574	445
11500-12499--	91	1119	2099	12060	3.8	457	79	12	12568	473	75	12244	460
12500-13499--	89	2058	3561	12996	3.7	482	80	22	13113	482	80	12797	473
13500-14499--	62	734	1404	13941	3.6	504	51	12	13443	498	40	13029	483
14500-15499--	21	75	95	14915	3.7	543	19	3	13592	501	16	13317	492
15500-16499--	9	17	21	16049	3.6	570	7	2	12361	463	6	12975	481
16500-- OVER	11	14	21	17227	3.6	630	7	1	14734	542	6	14595	541

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	2	5	9	6212	4.3	266	1	1	10360	393	2	9870	371
6500 - 7499-	3	21	35	7309	4.1	298	3	5	8854	362	3	9907	395
7500 - 8499-	6	18	30	7877	4.1	319	6	3	8402	345	4	9142	369
8500 - 9499-	3	4	12	9024	4.1	368	3	1	9818	405	3	9471	390
9500 - 10499-	3	6	6	10133	4.1	417	3	2	10155	412	1	10344	451
10500-11499-	1	4	4	10845	4.2	457	1	3	10300	456	1	9999	433
11500-12499-	1	1	1	12230	4.8	593	1	1	9240	382	1	9309	396
GUERNSEY													
UNDER 6500--	16	29	37	5561	5.0	278	9	2	8413	376	6	8134	344
6500 - 7499-	36	134	288	6899	4.8	331	26	3	9045	409	24	8601	366
7500 - 8499-	64	913	1856	8036	4.8	382	60	11	9213	423	57	8863	409
8500 - 9499-	42	524	1173	8911	4.8	424	36	12	9561	433	34	9246	425
9500 - 10499-	11	35	60	9871	4.6	449	10	3	9582	449	8	9564	446
10500-11499-	6	26	46	10932	4.8	524	4	6	10516	484	4	10595	481
11500-12499-	3	3	5	12005	4.6	551	3	1	9790	426	2	10938	469
13500-14499-	1	1	2	14425	4.7	673	1	1	10820	525	1	11714	588
16500- OVER	1	1	1	16750	4.6	777	1	1	9440	589			
HOLSTEIN													
UNDER 6500--	1	1	1	4950	3.4	168	1	1	9880	333	1	9527	326
6500 - 7499-	2	2	2	7350	3.5	254	1	1	8870	345	1	13069	489
7500 - 8499-	3	3	4	7835	4.0	317	2	1	8655	317	1	12459	464
8500 - 9499-	10	12	16	9048	3.8	341	6	1	11126	430	3	11397	420
9500 - 10499-	28	74	97	9991	3.8	377	26	2	11503	421	21	11834	438
10500-11499-	77	3566	6948	11059	3.7	412	70	41	12076	445	68	11814	436
11500-12499-	124	10375	20190	12047	3.7	445	117	72	12502	461	109	12595	458
12500-13499-	102	7268	12225	12921	3.7	476	92	71	12743	473	91	12757	472
13500-14499-	49	934	1540	13899	3.6	504	44	20	12875	476	42	12896	475
14500-15499-	29	106	194	14920	3.6	531	27	4	13734	500	21	13640	504
15500-16499-	7	8	14	16124	3.5	558	7	1	13046	480	5	13227	493
16500- OVER	11	14	26	17604	3.6	646	10	1	14127	528	6	14101	534
JERSEY													
UNDER 6500--	12	26	47	5629	5.4	302	9	2	7268	366	9	7747	403
6500 - 7499-	24	255	479	7119	5.3	372	23	7	7721	404	22	7784	409
7500 - 8499-	34	327	547	8014	5.3	419	31	7	8372	432	26	8294	432
8500 - 9499-	17	60	137	8996	5.2	466	14	3	8633	450	12	8525	447
9500 - 10499-	3	3	3	10223	4.6	469	2	1	8220	409	1	8764	440
10500-11499-	2	8	9	10805	5.2	534	1	7	8656	457	1	9298	489
11500-12499-	3	5	16	11833	4.7	552	3	2	9159	451	2	9203	470
BROWN SWISS													
UNDER 6500--	2	2	2	5645	4.4	252							
6500 - 7499-	2	5	5	6858	4.0	271	1	1	10770	470	1	7445	304
7500 - 8499-	6	13	16	7941	4.3	337	5	2	10154	417	2	10381	438
8500 - 9499-	13	47	77	9063	4.3	389	12	3	10376	427	11	9955	409
9500 - 10499-	19	233	398	10109	4.1	416	16	11	11018	445	14	10408	425
10500-11499-	37	1160	2110	10959	4.3	467	33	27	11466	470	31	11301	465
11500-12499-	8	106	154	11987	4.0	472	8	11	11190	464	6	11046	455
12500-13499-	10	41	61	12898	4.2	534	10	4	11379	479	9	11654	490
13500-14499-	6	7	20	14011	4.1	567	6	1	12385	512	5	11643	462
14500-15499-	1	1	1	14770	4.0	595	1	1	13610	543	1	15064	596
M. SHORTHORN													
UNDER 6500--	4	4	5	5723	3.9	222	2	1	7150	276	1	5995	233
6500 - 7499-	5	13	18	7053	3.9	276	3	2	8879	345	3	6739	250
7500 - 8499-	7	14	25	8155	3.8	313	5	1	8756	325	4	7266	278
8500 - 9499-	3	5	9	8624	4.1	351	3	2	9825	367	2	7937	305
9500 - 10499-	3	10	14	9936	3.8	376	3	3	9251	347	3	7842	297
10500-11499-	2	5	5	10632	3.9	421	2	1	8485	353	1	9102	336
11500-12499-	1	1	1	11880	3.8	454							
ALL BREDS													
UNDER 6500--	37	67	101	5624	4.9	275	22	2	7985	370	19	8094	368
6500 - 7499-	72	430	827	7011	4.8	336	57	4	8520	401	54	8299	389
7500 - 8499-	120	1283	2478	8019	4.8	381	109	8	8941	414	96	8711	410
8500 - 9499-	88	652	1424	8959	4.6	413	74	7	9665	431	65	9302	421
9500 - 10499-	67	361	578	10019	4.1	406	60	5	10764	427	48	10695	427
10500-11499-	125	4769	9122	11010	4.0	436	111	34	11727	452	106	11552	446
11500-12499-	140	10491	20367	12039	3.8	452	132	64	12261	460	120	12224	457
12500-13499-	112	7309	12286	12919	3.7	481	102	64	12609	473	100	12658	474
13500-14499-	56	942	1562	13920	3.7	514	51	17	12777	481	48	12745	476
14500-15499-	30	107	195	14915	3.6	533	28	4	13729	501	22	13705	508
15500-16499-	7	8	14	16124	3.5	555	7	1	13046	480	5	13227	493
16500- OVER	12	15	27	17533	3.7	657	11	1	13701	534	6	14101	534

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	1	2	2	6485	5.9	252	1	2	10050	319			
6500 - 7499--	2	10	13	7018	4.2	290	2	5	9198	356	2	9435	368
7500 - 8499--	2	7	7	8044	4.5	356	2	4	10780	442	2	11840	481
8500 - 9499--	4	8	15	8949	3.9	347	4	2	10606	397	4	10347	393
9500 - 10499--	4	13	18	10025	3.9	395	1	5	9308	371	1	11604	473
10500-11499--	4	13	24	10997	4.1	442	4	3	10995	434	4	9248	382
11500-12499--	2	9	15	11717	4.1	477	2	5	10750	445	2	11548	471
12500-13499--	2	2	4	12604	4.5	539	2	1	11847	481	2	12364	497
GUERNSEY													
UNDER 6500--	18	31	44	5840	4.9	284	13	2	9569	429	9	9031	399
6500 - 7499--	35	517	941	6862	4.9	358	29	13	8638	397	28	9336	431
7500 - 8499--	80	1001	2026	7993	4.8	362	69	9	9042	410	65	9301	421
8500 - 9499--	47	506	929	8928	4.8	427	42	11	9548	436	42	9807	447
9500 - 10499--	19	46	69	9891	4.7	461	16	2	10100	446	16	10226	450
10500-11499--	9	10	16	10891	4.6	500	7	1	10115	468	5	10326	483
13500-14499--	1	1	2	13980	5.8	699	1	1	15750	773			
HOLSTEIN													
UNDER 6500--	5	7	7	5390	4.0	217	3	2	11091	410			
6500 - 7499--	4	5	6	7070	3.7	259	3	1	9900	363	3	12028	419
7500 - 8499--	{11	15	22	8078	3.6	292	10	1	9845	366	7	10312	397
	{11	23	27	8232	4.0	321	10	2	11617	421	10	12225	448
9500 - 10499--	48	381	663	10143	3.7	371	44	7	11712	427	42	12386	456
10500-11499--	69	1365	2602	11115	3.7	406	65	17	11957	434	61	12490	453
11500-12499--	156	9034	16017	12027	3.7	441	152	50	12188	448	148	12564	461
12500-13499--	106	5823	9030	12978	3.7	473	100	54	12524	460	93	12972	476
13500-14499--	53	702	1129	13904	3.6	503	47	13	13426	496	44	13418	496
14500-15499--	21	45	75	14913	3.6	535	15	3	13110	483	14	13718	502
15500-16499--	10	13	23	15868	3.7	581	9	1	13771	511	8	13605	511
16500+ OVER	14	15	18	18347	3.6	653	9	1	14149	529	8	14358	543
JERSEY													
UNDER 6500--	11	30	38	5338	5.4	284	8	2	7952	380	6	7822	410
6500 - 7499--	39	328	581	7102	5.3	372	31	5	7561	392	36	7880	409
7500 - 8499--	34	478	941	8064	5.3	423	27	8	7963	407	25	8400	425
8500 - 9499--	17	67	143	8786	5.1	445	11	3	8296	428	12	8525	442
9500 - 10499--	3	10	27	9700	5.5	533	3	3	8615	460	3	9461	519
10500-11499--	3	3	5	10700	4.9	527	3	1	9360	512	3	9745	525
11500-12499--	1	3	4	12153	5.5	547	1	3	6737	394	1	8720	456
12500-13499--	2	2	3	12945	5.1	650	2	1	8218	433	2	8568	441
BROWN SWISS													
UNDER 6500--	2	3	4	6203	4.2	263	2	1	10645	419	2	9500	373
6500 - 7499--	1	1	2	7330	3.5	253	1	1	8240	305			
7500 - 8499--													
8500 - 9499--	8	27	55	9121	4.1	373	5	2	9224	365	5	10524	421
9500 - 10499--	17	64	122	10056	4.1	407	10	3	10583	423	10	10939	442
10500-11499--	12	102	183	10903	4.1	446	12	5	11074	446	12	11279	454
11500-12499--	9	54	87	11687	4.1	481	7	4	11359	460	7	11682	470
12500-13499--	6	16	22	12793	4.1	518	6	2	12029	490	6	11938	486
13500-14499--	4	7	10	14087	4.0	567	3	2	12422	499	3	12412	492
14500-15499--	1	1	1	14840	4.8	716	1	1	11790	498	1	12263	524
M. SHORTHORN													
UNDER 6500--	1	1	1	6200	3.8	238							
6500 - 7499--	2	2	2	7360	4.0	289	2	1	8715	355	1	9941	346
7500 - 8499--	1	1	2	8265	3.8	315							
10500-11499--	3	6	8	11052	4.0	438	2	2	9598	369	1	9102	327
14500-15499--	1	2	2	14985	3.7	543	1	1	12250	458	1	9668	342
RED DANE													
8500 - 9499--	1	5	5	8944	4.0	355	1	2	9475	358	1	11066	436
10500-11499--	1	6	9	10815	4.1	440	1	4	10819	405	1	11572	439
ALL BREEDS													
UNDER 6500--	38	74	96	5681	4.8	272	27	2	9357	407	17	8659	400
6500 - 7499--	83	863	1545	7006	5.0	347	68	8	8225	389	64	8805	418
7500 - 8499--	133	1504	3001	7979	4.8	382	116	8	8894	405	96	9209	422
8500 - 9499--	88	636	1174	8632	4.6	408	73	7	9678	425	74	10021	442
9500 - 10499--	91	513	899	10054	4.0	403	74	5	11053	432	72	11577	456
10500-11499--	101	1505	2347	11048	3.9	425	94	13	11521	439	87	11906	452
11500-12499--	168	9100	16123	12017	3.7	444	162	48	12101	448	156	12488	461
12500-13499--	116	5443	9059	12961	3.7	480	110	49	12406	462	103	12815	477
13500-14499--	58	710	1141	13918	3.7	510	53	13	13413	502	47	13354	496
14500-15499--	23	48	78	14713	3.7	543	17	2	12982	482	16	13374	493
15500-16499--	10	13	23	15868	3.7	581	9	1	13771	511	8	13605	511
16500+ OVER	14	15	18	18347	3.6	653	9	1	14149	529	8	14358	543

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	2	5	6	5285	5.8	203	2	3	7197	279	2	7870	294
6500 - 7499--	4	12	26	7026	4.1	288	3	2	9301	354	4	9001	359
7500 - 8499--	3	33	61	7980	3.9	316	3	9	8480	330	3	8782	346
8500 - 9499--	2	2	3	8523	4.3	361	1	1	9510	384			
9500 - 10499--	4	9	13	10255	4.2	427	4	2	9715	408	3	10440	434
10500-11499--	2	17	26	10633	4.5	472	2	7	9830	418	2	9310	404
16500- OVER													
GUERNSEY													
UNDER 6500--	37	185	401	5987	4.9	291	29	3	7648	353	24	7735	359
6500 - 7499--	123	1992	4394	7090	4.8	341	109	14	8006	372	106	8074	377
7500 - 8499--	182	2585	5345	7960	4.6	379	164	13	8467	393	157	8516	402
8500 - 9499--	39	482	879	8907	4.7	420	33	12	9063	416	32	9193	427
9500 - 10499--	16	33	48	9878	4.7	459	12	2	9319	425	11	9633	439
10500-11499--	2	4	17	11148	4.7	523	2	2	9544	465	1	9894	507
HOLSTEIN													
UNDER 6500--	4	4	5	5563	3.9	214	4	1	8900	319	2	10263	376
6500 - 7499--	3	4	5	7100	3.4	238	2	2	9900	381	3	10143	371
	7	10	16	7313	3.7	274	5	1	11707	414	5	11522	413
8500 - 9499--	20	70	115	9034	3.7	334	11	4	11187	396	10	11231	407
9500 - 10499--	55	852	2052	10062	3.6	365	49	10	11176	402	42	11233	402
10500-11499--	144	5490	13117	11053	3.6	394	128	30	11721	421	120	11689	422
11500-12499--	257	14677	27735	11989	3.6	435	245	52	12280	448	240	12155	445
12500-13499--	172	7226	10969	12981	3.6	467	165	41	12752	465	163	12722	464
13500-14499--	40	1945	2757	13967	3.6	499	38	48	12910	470	37	12860	469
14500-15499--	18	39	56	14946	3.6	532	17	2	13225	484	15	13145	478
15500-16499--	11	17	25	15879	3.6	572	8	2	13481	501	7	13109	497
16500- OVER	10	11	16	18277	3.7	679	6	1	14748	548	8	14544	547
JERSEY													
UNDER 6500--	34	98	202	5744	5.5	315	24	2	7057	369	17	7484	394
6500 - 7499--	52	449	905	7000	5.4	376	45	7	7400	390	43	7544	404
7500 - 8499--	39	273	541	7948	5.3	418	35	6	7811	414	30	8041	427
8500 - 9499--	14	30	55	8972	5.3	466	11	2	8506	443	9	8458	444
9500 - 10499--	7	12	23	10050	5.1	512	6	1	8350	433	4	8083	424
10500-11499--	2	3	7	10647	5.1	536	2	2	8187	440	2	8361	458
11500-12499--	1	1	1	11580	4.7	544							
12500-13499--	1	1	2	12525	5.1	638	1	1	8800	469	1	8415	452
BROWN SWISS													
UNDER 6500--	3	3	5	6287	4.2	268	2	1	8597	344	1	7641	317
6500 - 7499--	5	14	25	6482	4.4	276	3	3	9781	368	3	10621	417
7500 - 8499--	8	66	172	8112	4.2	341	6	7	9755	397	5	9374	381
8500 - 9499--	29	371	798	9040	4.1	369	24	9	9903	394	23	9818	391
9500 - 10499--	30	343	651	9950	4.1	405	28	10	10240	411	26	10296	411
10500-11499--	27	471	856	10947	4.1	443	27	14	10897	434	25	10665	421
11500-12499--	16	137	208	11912	4.1	487	14	6	11378	461	14	11416	465
12500-13499--	9	58	73	12917	3.8	498	6	6	11233	464	4	11500	467
15500-16499--	1	1	1	15530	4.2	655	1	1	10470	424	1	10715	436
16500- OVER	1	2	2	16695	3.7	613	1	2	10500	457	1	12938	510
M. SHORTHORN													
UNDER 6500--	2	6	17	6134	3.8	234	2	2	7920	297	2	7964	300
6500 - 7499--	1	2	3	7348	3.8	277	1	2	8485	332	1	7491	292
7500 - 8499--	4	8	12	8040	4.0	320	3	2	8477	325	2	7306	318
8500 - 9499--	12	19	33	8990	4.1	364	6	1	9306	357	6	8643	336
9500 - 10499--	3	4	6	9703	4.1	392	3	1	9643	367	3	9467	367
10500-11499--	3	4	5	11077	3.8	415	3	1	9140	353	3	7272	346
12500-13499--	1	2	4	12810	3.6	459	1	1	9635	374	1	8426	327
ALL BREDS													
UNDER 6500--	82	301	636	5863	5.0	293	63	2	7520	353	48	7765	366
6500 - 7499--	188	2473	5358	7066	4.9	340	163	11	7921	377	160	8037	384
7500 - 8499--	243	2975	6147	7946	4.8	379	216	11	8472	395	202	8533	404
8500 - 9499--	116	974	1883	8975	4.4	392	80	8	9515	405	82	9482	407
9500 - 10499--	115	1253	2793	10004	4.0	406	102	8	10432	408	89	10534	410
10500-11499--	180	5989	14028	11029	3.7	406	164	26	11445	422	153	11348	421
11500-12499--	274	14815	27944	11983	3.7	436	259	50	12232	449	254	12114	446
12500-13499--	163	7287	11048	12975	3.6	470	173	39	12659	465	169	12642	463
13500-14499--	40	1945	2757	13967	3.6	499	38	48	12910	470	37	12880	469
14500-15499--	18	39	56	14946	3.6	532	17	2	13225	464	15	13145	478
15500-16499--	12	18	26	15850	3.7	579	9	1	13146	492	6	12810	490
16500- OVER	12	14	19	18705	3.8	700	9	1	14276	536	9	14366	543

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
							SIRES NO.	DAUGS. NO.	MILK LB.				
AYRSHIRE													
UNDER 6500--	2	3	4	6304	4.1	255	2	2	8685	358	1	9462	356
6500 - 7499--	6	18	31	7076	4.2	298	5	3	8635	345	5	8482	350
7500 - 8499--	5	12	20	8095	4.0	320	4	3	9502	382	4	9022	371
8500 - 9499--	6	26	36	9049	4.2	380	6	4	9691	392	4	8852	407
9500 -10499--	3	20	28	9975	4.0	403	3	6	10644	419	3	10000	407
10500-11499--	2	2	2	10855	3.9	422	1	1	10470	377			
11500-12499--	2	3	4	11585	4.5	509	2	2	10768	427	2	7835	417
12500-13499--	1	4	6	12731	4.0	500	1	4	10969	438	1	10045	440
GUERNSEY													
UNDER 6500--	29	78	149	5915	4.9	288	20	2	7416	347	19	7310	346
6500 - 7499--	84	850	1793	6996	4.9	340	73	9	8172	379	68	8324	386
7500 - 8499--	88	1020	2181	7934	4.9	383	74	12	8326	391	71	8178	380
8500 - 9499--	38	131	240	8391	4.7	419	31	3	9126	432	30	8940	421
9500 -10499--	10	17	33	10017	4.6	462	7	2	8958	440	5	8445	402
10500-11499--	3	5	6	11026	4.4	490	3	2	10238	474	3	9678	469
11500-12499--	1	1	2	11890	4.6	540	1	1	9205	410	1	7663	385
HOLSTEIN													
UNDER 6500--	3	4	4	6292	3.6	224	1	1	12500	433	1	11347	405
6500 - 7499--	3	3	5	7058	3.7	258	2	1	9655	368	1	7140	328
7500 - 8499--	11	16	25	8088	3.7	296	5	1	11298	404	3	11441	432
8500 - 9499--	16	29	48	9130	3.8	348	7	2	11843	428	7	11485	415
9500 -10499--	51	503	1058	10089	3.7	370	43	6	11150	404	42	11050	401
10500-11499--	115	5494	12221	11075	3.6	402	103	45	11999	433	101	11726	427
11500-12499--	177	9955	20719	11954	3.6	431	165	54	12028	437	160	11869	434
12500-13499--	99	2423	3820	12969	3.6	463	91	25	12813	462	86	12481	439
13500-14499--	40	738	1023	13951	3.6	500	37	21	12921	466	30	12563	475
14500-15499--	10	63	108	14875	3.5	515	8	7	15216	478	7	13295	488
15500-16499--	9	41	58	15925	3.5	550	8	5	14292	510	8	13534	499
16500- OVER	15	20	29	18415	3.7	667	12	1	14421	512	11	13040	476
JERSEY													
UNDER 6500--	17	52	97	5851	5.5	319	13	2	7369	393	15	7419	384
6500 - 7499--	41	331	751	7044	5.3	372	33	6	7647	395	32	7692	395
7500 - 8499--	30	150	326	7814	5.2	404	26	4	8500	427	27	8223	421
8500 - 9499--	16	52	145	9023	5.2	467	15	3	8560	442	14	8768	447
9500 -10499--	7	16	27	9896	4.9	484	7	2	9490	485	7	9219	467
10500-11499--	2	3	4	11050	5.4	591	2	2	9820	524			
13500-14499--	1	1	1	14410	5.4	774							
BROWN SWISS													
UNDER 6500--	4	4	5	6210	4.2	259	3	1	8317	335	3	7547	356
6500 - 7499--	4	12	18	7245	3.9	281	4	1	9916	397	3	10491	428
7500 - 8499--	6	16	29	8062	4.2	334	4	2	9604	388	3	9448	388
8500 - 9499--	18	78	161	9008	4.0	362	12	4	10291	408	11	10180	409
9500 -10499--	24	248	458	10059	4.1	408	23	7	10203	405	23	9727	394
10500-11499--	15	88	163	11009	4.1	451	13	5	10733	430	13	10489	425
11500-12499--	10	70	129	11943	3.9	466	7	5	11055	440	7	10279	428
12500-13499--	4	10	17	13007	4.0	514	4	2	11963	474	4	12075	470
13500-14499--	5	7	13	13745	4.0	553	5	1	12781	521	3	12520	479
15500-16499--	3	4	8	15966	3.8	599	2	1	11876	457	2	11292	460
16500- OVER	1	1	1	17470	4.1	718	1	1	16000	608			
M. SHORTHORN													
UNDER 6500--	7	8	13	5035	4.0	201	6	1	7243	295	6	7416	301
6500 - 7499--	11	33	58	7042	4.0	282	10	3	0690	337	10	7616	293
7500 - 8499--	10	40	76	7876	3.9	302	10	3	8319	324	10	7577	297
8500 - 9499--	5	11	26	8645	4.0	353	3	2	8102	320	3	7214	291
9500 -10499--	2	3	5	9994	4.1	410	2	2	9677	374	2	8658	348
10500-11499--	5	7	10	10840	3.8	409	3	1	10365	388	3	8132	341
12500-13499--	1	1	1	12570	3.5	444	1	1	7936	309	1	8001	305
ALL BREEDS													
UNDER 6500--	62	149	272	5848	4.8	281	47	2	7605	357	45	7514	355
6500 - 7499--	149	1247	2656	7024	4.9	340	127	7	8173	379	119	8146	380
7500 - 8499--	150	1254	2657	7928	4.7	371	123	8	8521	393	116	8281	388
8500 - 9499--	99	327	656	8980	4.5	399	74	3	9462	422	69	9261	417
9500 -10499--	97	807	1609	10055	4.0	399	05	7	10524	413	82	10267	404
10500-11499--	142	5599	12406	11055	3.7	412	125	38	11741	434	120	11452	425
11500-12499--	190	10029	20854	11949	3.7	434	177	50	11948	436	170	11731	433
12500-13499--	105	2438	3844	12965	3.6	466	97	23	12709	461	92	12388	458
13500-14499--	46	746	1037	13938	3.7	512	37	19	12902	474	33	12559	475
14500-15499--	10	63	108	14875	3.5	515	8	7	13276	478	7	13295	488
15500-16499--	12	45	66	15936	3.5	562	10	4	13807	499	10	13222	491
16500- OVER	16	21	30	18356	3.7	670	13	1	14543	519	11	13040	476

TABLE 14.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRE NO.	DAUGHTERS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 6500--	2	2	4	5700	4.0	229	2	1	10030	379	2	8810	323
6500 - 7499--	6	10	16	6487	4.3	275	6	2	9768	388	5	9181	354
7500 - 8499--	12	97	169	8152	4.1	337	10	8	9566	385	9	8515	354
8500 - 9499--	11	46	106	9043	4.2	378	10	4	10225	434	9	8425	364
9500 - 10499--	16	65	115	9937	4.1	405	15	4	9887	399	11	9288	390
10500-11499--	6	11	16	10810	4.2	455	6	2	10203	414	5	9294	393
11500-12499--	5	8	9	11885	4.0	480	5	2	10157	410	3	9225	377
12500-13499--	1	4	7	12588	3.9	494	1	4	9505	395	1	8473	415
GUERNSEY													
UNDER 6500--	21	36	53	5698	5.1	292	10	2	8397	383	6	8094	372
6500 - 7499--	46	390	784	7048	4.9	345	36	8	8485	403	32	8392	397
7500 - 8499--	68	762	1580	7972	4.9	387	60	11	8677	407	58	8584	406
8500 - 9499--	26	57	122	8955	4.8	426	15	1	9340	439	13	9219	435
9500 - 10499--	14	48	118	9883	4.9	479	12	3	9079	446	9	9252	450
10500-11499--	7	20	63	11110	4.7	525	7	3	10123	461	5	9680	472
11500-12499--	3	3	8	11880	4.4	519	3	1	8442	389	2	8777	489
HOLSTEIN													
UNDER 6500--	3	4	4	5072	4.0	204	1	1	10750	382	1	10377	402
6500 - 7499--	4	4	4	7123	3.8	271	3	1	12967	439	1	12775	433
7500 - 8499--	3	4	9	8312	3.9	326	3	1	10716	386	3	11433	413
8500 - 9499--	20	32	58	8969	3.7	330	18	1	11139	411	12	11655	429
9500 - 10499--	30	123	205	10082	3.7	369	25	4	11516	421	19	11257	423
10500-11499--	64	991	2271	11028	3.7	407	54	15	12330	451	53	11898	443
11500-12499--	114	2243	4436	12053	3.6	437	103	19	12512	452	102	12020	441
12500-13499--	108	2837	5026	12948	3.7	473	101	25	12800	466	96	12277	460
13500-14499--	71	1018	1795	13959	3.6	506	65	13	12928	471	56	12177	467
14500-15499--	29	144	236	14991	3.7	550	28	4	14008	509	27	13124	493
15500-16499--	10	14	34	15887	3.6	570	9	1	13607	508	9	12155	488
16500- OVER	20	34	59	17366	3.6	619	17	2	14176	518	16	13309	528
JERSEY													
UNDER 6500--	28	158	400	5850	5.5	320	20	3	7535	398	20	7657	407
6500 - 7499--	34	176	411	6776	5.4	361	25	3	7699	398	21	7325	395
7500 - 8499--	32	103	177	7962	5.4	425	28	3	8314	430	25	7978	416
8500 - 9499--	10	33	55	8881	5.1	452	6	3	8400	442	8	7942	426
9500 - 10499--	6	12	14	9829	5.1	496	4	2	8266	434	3	8453	419
10500-11499--	2	4	8	11793	4.8	566	1	3	9043	467	2	9257	478
12500-13499--	1	1	2	12645	4.1	512							
BROWN SWISS													
UNDER 6500--	2	3	3	5163	4.3	221	2	1	8275	324	1	10965	413
6500 - 7499--	6	7	11	6977	4.3	300	4	1	9252	398	3	9886	417
7500 - 8499--	13	55	84	8018	4.3	340	12	3	9616	400	12	9648	395
8500 - 9499--	30	171	331	8958	4.3	380	26	5	10178	411	26	9290	406
9500 - 10499--	41	554	1104	9989	4.1	411	36	12	10431	422	36	9870	415
10500-11499--	25	271	527	10884	4.0	437	25	9	10706	428	22	9868	405
11500-12499--	14	188	341	11938	3.9	468	12	12	10902	440	11	10308	423
12500-13499--	6	6	13	12784	4.1	514	3	1	11080	435	2	11031	450
13500-14499--	2	2	2	14030	4.0	555	2	1	9750	406	2	10748	437
14500-15499--	1	2	2	14665	3.9	560	1	2	12610	487	1	12491	514
15500-16499--	1	1	1	16430	4.0	653							
16500- OVER	1	1	1	16750	3.2	543					1	12731	516
M. SHORTHORN													
UNDER 6500--	9	11	16	5501	3.9	212	5	1	9245	349	4	7159	272
6500 - 7499--	17	43	61	7118	3.7	266	15	2	9359	357	10	7473	315
7500 - 8499--	10	37	62	8007	4.0	321	8	3	7894	301	8	7267	277
8500 - 9499--	11	43	79	8794	3.8	332	10	3	8997	341	8	8150	309
9500 - 10499--	5	5	7	9972	3.8	382	4	1	8703	329	3	7100	329
10500-11499--	4	10	16	11200	3.9	433	3	3	8808	355	3	7017	272
ALL BREEDS													
UNDER 6500--	65	214	480	5691	5.0	285	40	2	8206	383	34	7921	380
6500 - 7499--	113	630	1287	6946	4.8	329	89	5	8684	394	74	8179	384
7500 - 8499--	138	1058	2081	8000	4.8	331	121	7	8758	402	115	8540	394
8500 - 9499--	103	382	751	8944	4.3	383	87	3	9939	413	76	9287	402
9500 - 10499--	112	807	1563	9984	4.1	411	96	6	10297	418	81	9693	414
10500-11499--	106	1503	2893	10994	3.9	426	93	11	11511	441	88	10950	427
11500-12499--	138	2446	4802	12028	3.7	455	124	17	12135	448	120	11693	439
12500-13499--	116	2848	5048	12934	3.7	475	105	24	12719	464	99	12213	460
13500-14499--	73	1020	1797	13961	3.6	507	67	13	12833	469	58	12128	466
14500-15499--	30	146	258	14980	3.7	550	29	4	13967	508	28	13101	494
15500-16499--	11	15	35	15936	3.6	577	9	1	13607	508	9	12155	488
16500- OVER	21	35	60	17355	3.5	615	17	2	14176	518	17	13275	527

TABLE 14.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIREs NO.	DAUGHTERs NO.	RECORDs NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY DAU.s NO.	MILK LB.	FAT LB.	YEARLY SIREs NO.	HERD AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
9500 -10499--	1	1	1	9730	4.6	450							
GUERNSEY													
UNDER 6500--	14	26	39	5714	4.9	220	8	1	2003	368	7	6998	394
6500 - 7499--	17	135	260	7124	5.0	352	18	5	8780	414	16	8411	399
7500 - 8499--	27	263	600	7979	5.0	397	26	7	8850	416	24	8781	417
8500 - 9499--	12	70	158	8871	4.8	421	9	5	9961	431	9	9135	420
9500 -10499--	5	9	20	9392	4.6	457	3	1	9520	445	7	9043	511
10500-11499--	3	11	25	10854	4.4	486	2	4	9901	455	2	7927	462
11500-12499--	1	1	3	12193	4.5	553	1	1	10010	468	1	8611	427
12500-13499--	2	2	3	13218	4.7	619	2	1	9475	455	1	10998	533
HOLSTEIN													
UNDER 6500--	{ 1	1	1	5270	4.3	226							
	{ 5	5	8	6101	3.9	241							
7500 - 8499--	17	14	21	8154	3.8	306	3	1	8860	371	3	8084	307
8500 - 9499--	18	28	55	8908	3.8	332	4	3	10751	394	5	9899	350
9500 -10499--	21	78	148	9981	3.7	367	11	2	10653	395	6	10546	392
10500-11499--	36	351	647	11006	3.7	407	17	4	11526	426	17	11223	408
11500-12499--	53	548	1025	12000	3.8	448	31	9	11518	426	31	10961	421
12500-13499--	34	233	469	12995	3.8	488	51	9	11945	445	49	11754	440
13500-14499--	25	102	212	13952	3.8	507	29	7	12120	451	26	12228	463
14500-15499--	13	25	34	15015	3.6	542	19	3	13010	482	15	12380	461
15500-16499--	9	31	41	15964	3.7	596	12	2	13634	504	7	13625	499
16500-- OVER	6	6	8	17935	3.7	667	6	4	12754	463	7	13178	496
							4	1	14541	540	4	14071	524
JERSEY													
UNDER 6500--	25	107	246	6023	5.3	320	10	2	7050	373	15	7456	394
6500 - 7499--	38	395	837	6905	5.3	361	31	6	7810	407	31	7748	406
7500 - 8499--	40	466	977	7966	5.3	418	37	5	8155	423	35	8205	425
8500 - 9499--	26	115	197	8988	5.2	468	20	4	8970	453	17	9426	442
9500 -10499--	4	18	30	9743	5.2	505	2	6	9161	454	7	9056	454
10500-11499--	2	2	6	11092	5.1	562	1	1	8944	463	1	9426	449
11500-12499--	1	1	2	11840	6.3	745	1	1	7910	440	1	8570	409
15500-16499--	1	1	1	15770	5.9	924							
BROWN SWISS													
UNDER 6500--	1	1	1	4140	4.7	194							
6500 - 7499--	1	1	1	7320	4.2	310	1	1	8300	364			
7500 - 8499--	3	3	8	8091	4.4	359	2	1	7852	318		8404	344
8500 - 9499--	8	23	40	8875	4.4	362	5	3	9907	405	6	8352	356
9500 -10499--	6	10	15	10073	4.3	433	4	1	9501	403	4	9125	386
10500-11499--	10	21	40	10959	4.1	441	6	2	10076	412	6	9220	376
11500-12499--	1	1	1	12480	4.0	503							
M. SHORTHORN													
6500 - 7499--	1	5	10	6766	5.9	269	1	3	9067	349	1	7707	314
7500 - 8499--	2	19	27	7840	4.2	323	2	9	9312	379	2	6844	313
8500 - 9499--	4	11	17	9163	4.2	383	4	2	9331	363	4	7838	315
9500 -10499--	4	10	15	10090	3.9	388	4	2	9724	380	4	6602	353
10500-11499--	1	1	1	10990	4.2	458	1	1	6410	202			
11500-12499--	1	1	1	11600	3.7	427							
ALL BREEDS													
UNDER 6500--	41	135	287	5853	5.1	301	24	2	7372	372	22	7947	394
6500 - 7499--	62	541	1116	6905	5.0	347	52	5	8248	406	51	7977	396
7500 - 8499--	79	765	1633	7989	5.0	396	71	6	8564	415	66	8456	413
8500 - 9499--	68	247	467	8943	4.6	407	49	3	9465	425	46	8873	407
9500 -10499--	41	126	229	9968	4.1	405	36	3	10587	419	29	10326	408
10500-11499--	52	386	719	10987	3.9	425	41	8	11041	422	40	10565	420
11500-12499--	57	552	1032	12002	3.8	456	55	9	11833	446	51	11650	440
12500-13499--	36	235	472	13008	3.8	495	31	6	11955	451	27	12163	466
13500-14499--	25	102	212	13952	3.8	527	19	3	13010	482	15	12368	461
14500-15499--	13	25	34	15015	3.6	542	12	2	13634	504	7	13625	499
15500-16499--	10	32	42	15944	4.0	629	6	4	12754	483	7	13178	496
16500-- OVER	6	6	8	17935	3.7	667	4	1	14541	540	4	14071	524

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
6500 - 7499-	2	2	3	6585	4.0	255	2	1	6078	244	1	6791	273
GUERNSEY													
UNDER 6500--	6	12	14	6202	5.0	311	6	2	8088	362	6	8613	392
6500 - 7499-	6	11	22	6474	5.0	327	5	2	9746	429	4	9232	432
7500 - 8499-	7	20	51	7901	5.0	386	4	3	8422	390	4	8282	390
8500 - 9499-	7	8	14	8954	4.8	427	4	1	9102	408	3	9036	396
9500-10499-	1	1	3	9637	5.3	516	1	1	8720	453	1	9272	464
HOLSTEIN													
6500 - 7499-	1	2	4	6850	4.1	277	1	1	8643	332	1	8808	322
7500 - 8499-	5	19	43	7874	3.7	291	5	3	9136	331	4	9262	334
8500 - 9499-	9	23	40	8733	3.8	337	9	2	10674	386	9	10458	374
9500-10499-	18	111	223	10059	3.7	371	16	6	11864	421	15	11104	393
10500-11499-	18	136	289	11160	3.6	394	16	6	11940	425	16	11234	395
11500-12499-	29	259	514	11928	3.7	437	27	9	12399	441	27	11756	419
12500-13499-	22	186	362	12662	3.6	456	21	8	12129	456	20	11526	409
13500-14499-	13	82	109	13658	3.6	492	13	6	12717	458	15	12222	438
14500-15499-	8	16	22	14962	3.6	541	8	2	12365	466	7	11692	412
15500-16499-	3	4	6	15789	3.6	564	3	1	12850	470	3	12378	431
16500- OVER	2	2	2	18935	3.9	738	2	1	14810	572	2	12437	459
JERSEY													
UNDER 6500--	2	3	3	4883	5.9	284	2	2	7020	345			
6500 - 7499-	1	1	1	7420	6.1	455	1	1	6490	371			
BROWN SWISS													
UNDER 6500--	4	6	8	5565	4.1	230	1	1	12510	520	1	11903	476
6500 - 7499-	3	4	6	7093	4.1	292	2	1	10195	411	1	8775	354
7500 - 8499-	5	14	23	8002	3.9	307	4	3	10449	419	3	9351	365
8500 - 9499-	6	19	35	9091	4.2	376	6	2	10097	419	3	9440	386
9500-10499-	5	19	37	10046	4.0	400	5	3	9717	391	5	8706	381
10500-11499-	6	10	13	11191	4.0	444	5	1	10449	409	4	9762	385
11500-12499-	4	4	10	11967	4.1	488	4	1	12013	510	1	13549	578
12500-13499-	2	4	8	13231	3.8	506	2	2	11252	463			
13500-14499-	1	1	2	13985	3.9	540							
M. SHORTHORN													
7500 - 8499-	1	1	1	8230	3.9	325	1	1	10040	382	1	9036	362
8500 - 9499-	1	1	1	9310	4.0	376	1	1	9420	355	1	9091	347
ALL BREEDS													
UNDER 6500--	12	21	25	5770	4.9	279	9	2	8342	389	7	9083	404
6500 - 7499-	13	20	36	6736	4.6	315	11	1	8764	378	7	8757	382
7500 - 8499-	18	54	118	7943	4.3	335	14	3	9379	377	12	8939	363
8500 - 9499-	23	51	90	8997	4.2	377	20	2	10124	399	16	9915	379
9500-10499-	24	131	263	10047	3.9	383	22	5	11242	416	21	10446	393
10500-11499-	24	146	302	11167	3.7	406	21	6	11585	421	20	10939	393
11500-12499-	33	263	524	11932	3.7	444	31	8	12349	450	26	11820	425
12500-13499-	24	192	370	12893	3.6	462	23	8	12053	458	20	11526	409
13500-14499-	14	83	111	13867	3.6	496	13	6	12717	458	13	12222	438
14500-15499-	8	16	22	14962	3.6	541	8	2	12885	466	7	11692	412
15500-16499-	3	4	6	15789	3.6	564	3	1	12850	470	3	12378	431
16500- OVER	2	2	2	18935	3.9	738	2	1	14810	572	2	12437	459

TABLE 14.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY		AV. FAT LB.	YEARLY MILK AVERAGE			
							SIRE NO.	DAUS. NO.		MILK LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
7500 - 8499-	1	1	2	7810	4.9	377	1	1	10330	406	1	9036	371
8500 - 9499-	2	2	5	9099	4.5	406	2	1	9844	369	2	9631	403
10500-11499-	1	2	4	10669	4.3	406	1	2	11673	475	1	11266	456
GUERNSEY													
UNDER 6500--	2	3	5	6134	4.6	280							
6500 - 7499-	4	19	45	6947	4.8	352	2	2	8106	363	2	8065	365
8500 - 9499-	1	1	1	8620	4.9	434	1	1	9330	415	1	9047	415
10500-11499-	1	1	1	10710	4.6	432							
HOLSTEIN													
UNDER 6500--	2	2	4	4787	3.4	158	2	1	10375	344	2	9653	393
7500 - 8499-	1	1	2	7960	3.6	284	1	1	8710	303	1	8662	401
8500 - 9499-	4	4	4	8935	3.5	308	4	1	11225	404	3	11452	403
9500 - 10499-	5	7	10	10051	3.6	366	5	1	11676	431	5	11045	400
10500-11499-	7	25	37	10878	3.5	373	7	3	10601	372	6	10562	381
11500-12499-	12	35	59	11678	3.7	440	11	2	11566	414	11	11288	416
12500-13499-	9	46	69	12952	3.6	463	6	5	12371	445	7	12033	439
13500-14499-	10	38	59	13743	3.6	495	6	3	12565	452	6	10518	415
14500-15499-	5	5	5	15254	3.6	551	4	1	12405	437	4	13219	457
15500-16499-	4	5	14	16108	3.3	523	4	1	13116	435	4	13046	442
16500- OVER	2	5	8	16986	3.8	636	2	3	14752	539	2	12631	456
JERSEY													
UNDER 6500--	4	5	12	5193	6.1	314							
7500 - 8499-	1	1	1	7540	6.4	424	1	1	8120	322	1	7175	476
8500 - 9499-	1	1	1	8750	5.4	471	1	1	8476	469	1	7978	451
9500 - 10499-	1	1	1	10200	4.7	475	1	1	8450	460	1	8219	466
10500-11499-	1	1	1	10520	4.7	495	1	1	8120	464	1	8655	456
BROWN SWISS													
UNDER 6500--	2	2	2	5435	4.3	231	1	1	5080	160			
6500 - 7499-	1	4	4	6563	4.0	263							
7500 - 8499-	1	1	1	8200	4.4	360	1	1	9050	394	1	8371	363
8500 - 9499-	2	5	10	8926	4.5	400	1	1	11430	479	1	11249	464
9500 - 10499-	6	16	35	10033	4.3	423	2	2	8065	323	1	13960	449
10500-11499-	4	6	7	11026	4.0	447	1	5	10757	435	1	7795	406
11500-12499-	4	17	47	11945	4.1	466	1	3	13343	523	1	11690	450
12500-13499-	4	13	32	12966	4.1	535	2	2	12963	535	2	10690	451
16500- OVER	1	1	1	17150	4.3	739							
ALL BREEDS													
UNDER 6500--	10	12	23	5348	4.9	259	3	1	8610	269	2	9653	393
6500 - 7499-	5	23	49	6902	4.6	318	2	2	8106	363	2	8065	365
7500 - 8499-	4	4	6	7678	4.6	376	4	1	9053	406	4	8111	403
8500 - 9499-	10	13	21	8936	4.2	375	9	1	10424	417	8	10311	416
9500 - 10499-	12	24	46	10054	4.0	404	6	1	10366	411	7	10629	416
10500-11499-	14	35	50	10682	3.3	414	10	3	10516	400	9	10503	400
11500-12499-	16	52	106	11695	3.8	452	12	2	11733	424	12	11271	421
12500-13499-	13	59	101	12956	3.6	464	6	4	12519	458	7	11779	442
13500-14499-	10	38	59	13743	3.6	495	6	3	12565	452	6	10518	415
14500-15499-	5	5	5	15254	3.6	551	4	1	12405	437	4	13219	457
15500-16499-	4	5	14	16108	3.3	523	4	1	13116	435	4	13046	442
16500- OVER	3	6	9	17041	4.0	670	2	3	14752	539	2	12631	456

TABLE 14.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRLS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRLS NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRLS NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
6500 - 7499--	4	4	9	6816	4.2	267	2	1	6103	395	2	7075	306
7500 - 8499--	2	2	3	8328	4.5	373							
8500 - 9499--	2	2	6	8645	4.6	402	2	1	6579	346	2	7162	303
9500 - 10499--	3	6	14	10024	4.1	415	1	1	5015	220	1	6175	328
GUERNSEY													
UNDER 6500--	7	8	15	5614	5.0	286	3	1	9285	418	3	9547	428
6500 - 7499--	13	49	90	6760	4.9	334	10	2	8853	400	7	8755	417
7500 - 8499--	18	68	138	8150	5.1	409	17	2	9316	441	16	8769	427
8500 - 9499--	14	68	162	9029	4.9	440	12	3	9417	437	10	9417	458
9500 - 10499--	4	5	12	10158	4.6	455	3	1	9263	458	3	9729	476
10500-11499--	5	7	18	10705	5.0	535	3	1	16041	495	3	8765	436
11500-12499--	1	1	4	11740	4.5	529							
HOLSTEIN													
6500 - 7499--	3	3	6	7311	3.8	275	1	1	9713	335	1	8426	299
7500 - 8499--	5	6	14	8089	3.8	310	3	1	10893	374	2	11499	424
8500 - 9499--	12	16	32	9183	3.8	346	9	1	11451	432	10	11150	422
9500 - 10499--	23	100	222	10120	3.6	378	16	3	11638	436	17	11224	420
10500-11499--	39	386	876	11083	3.7	410	34	9	11939	437	33	11538	435
11500-12499--	47	478	978	12051	3.7	443	43	7	12200	452	42	11871	441
12500-13499--	45	522	1129	13018	3.7	480	39	10	12551	461	39	12366	452
13500-14499--	25	72	121	14020	3.6	509	19	3	12942	476	18	12552	457
14500-15499--	6	9	15	14902	4.0	568	5	2	12627	466	5	12591	454
15500-16499--	7	6	13	16018	3.6	577	6	1	13236	472	6	13041	473
16500- OVER	2	2	2	17695	3.7	642	2	1	13570	455	1	13701	477
JERSEY													
UNDER 6500--	4	11	15	5824	5.3	302	1	1	7050	372			
6500 - 7499--	3	11	29	5833	5.3	302	1	4	8947	456	1	8538	421
7500 - 8499--	7	56	152	8061	5.1	408	9	4	8360	437	5	7671	415
8500 - 9499--	4	5	5	8848	5.1	449	4	1	7554	407	3	8066	431
9500 - 10499--	2	2	4	9617	5.5	523	2	1	7865	415	1	9450	493
BROWN SWISS													
UNDER 6500--	1	2	3	6375	4.3	268							
6500 - 7499--	3	5	19	6763	4.2	285	2	1	8749	377	2	8221	342
7500 - 8499--	8	9	14	8103	4.1	355	7	1	10749	452	4	9364	395
8500 - 9499--	9	17	33	8966	4.0	360	7	1	11534	471	6	10781	442
9500 - 10499--	7	27	39	10099	4.1	413	6	4	10105	412	5	10127	416
10500-11499--	15	32	58	10930	4.2	460	13	2	11263	468	9	10453	430
11500-12499--	8	27	34	11926	4.3	508	6	3	11440	463	5	10732	441
12500-13499--	2	3	4	13035	4.0	520	2	1	13070	526	2	12236	461
13500-14499--	3	4	14	13675	4.2	569	3	1	11847	493	3	9933	411
15500-16499--	1	1	3	15677	3.9	626	1	1	11255	404	1	9795	410
16500- OVER	1	1	2	17765	3.8	653	1	1	6960	282			
M. SHORTHORN													
UNDER 6500--	5	13	23	5469	3.8	209	4	1	7303	276	4	7127	267
7500 - 8499--	2	5	5	8322	4.0	329	1	3	8030	315	2	8900	322
11500-12499--	1	1	1	11660	3.7	432							
ALL BREEDS													
UNDER 6500--	17	34	56	5671	4.7	266	8	1	8014	343	7	8164	336
6500 - 7499--	26	72	153	6726	4.7	311	16	2	8906	396	15	8543	385
7500 - 8499--	44	148	326	8124	4.7	376	37	2	9449	435	27	9015	413
8500 - 9499--	41	108	258	9034	4.4	394	34	2	10082	454	31	9757	430
9500 - 10499--	39	140	291	10085	4.0	462	30	3	10623	425	27	10676	425
10500-11499--	59	425	952	11012	4.0	453	50	6	11655	449	45	11369	434
11500-12499--	59	507	1017	12005	3.8	453	47	6	12167	456	47	11750	441
12500-13499--	47	525	1133	13018	3.7	482	41	10	12577	464	41	12360	454
13500-14499--	28	76	135	13983	3.7	515	27	3	12792	478	21	12178	450
14500-15499--	6	9	15	14902	4.0	588	5	2	12827	486	5	12591	454
15500-16499--	3	9	16	16000	3.7	583	7	1	12933	474	7	12577	464
16500- OVER	3	3	4	17718	3.7	649	3	1	11367	397	1	13701	477

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.				YEARLY HERO AVERAGE		
							SIRE NO.	DAUS. NO.	MILK LB.	FAT LB.	SIRE NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 6500--	2	2	3	6200	4.6	241							
6500 - 7499--	2	3	7	7204	4.0	229							
7500 - 8499--	8	21	35	8221	4.5	350	5	2	9114	312	5	7159	381
8500 - 9499--	9	214	358	9081	4.2	341	6	6	10660	435	9	10637	406
9500 - 10499--	8	43	179	10039	4.3	427	5	11	9613	398	4	9411	402
10500-11499--	1	1	2	10535	4.0	415							
11500-12499--	2	2	6	11662	4.0	474							
GUERNSEY													
UNDER 6500--	12	18	26	5256	5.1	268	1	1	12605	477			
6500 - 7499--	11	72	142	7131	5.1	363	4	1	7351	367	4	6062	403
7500 - 8499--	14	67	126	8061	5.0	403	5	1	7846	350	5	7025	411
8500 - 9499--	3	13	24	8954	4.9	429	2	2	8807	457	2	8760	451
9500 - 10499--	3	5	7	9883	4.9	466							
10500-11499--	1	1	3	10667	4.5	459	1	1	5915	401	1	6998	324
HOLSTEIN													
7500 - 8499--	5	5	4	7838	5.9	504							
8500 - 9499--	10	12	24	9051	5.7	550	5	1	10128	409	1	12197	451
9500 - 10499--	13	27	53	10090	5.8	578	5	1	11544	424	5	12609	460
10500-11499--	21	476	848	11695	5.7	410	11	5	11278	459	10	11785	432
11500-12499--	50	1116	1645	11896	5.8	444	51	14	12218	456	51	11937	444
12500-13499--	24	120	227	13019	5.7	474	19	2	12657	460	19	12666	464
13500-14499--	22	83	135	13905	5.7	567	14	5	13276	479	14	12700	460
14500-15499--	10	20	37	15009	5.6	558	5	2	13867	476	5	12961	465
15500-16499--	4	5	12	15962	5.6	607	1	1	14196	524	1	13549	493
16500-- OVER	4	7	13	18999	5.6	685	5	2	16565	610	5	15403	583
JERSEY													
UNDER 6500--	8	20	29	5356	5.2	279	2	2	7515	395	2	7267	370
6500 - 7499--	13	55	99	6962	5.5	378	4	5	7579	380	5	7650	372
7500 - 8499--	11	28	49	7765	5.2	465	5	2	7136	372	6	7274	379
8500 - 9499--	2	5	8	8683	5.2	445	1	3	6637	344	1	7505	377
9500 - 10499--	3	3	5	9232	5.6	559	1	1	10120	512	1	7200	421
BROWN SWISS													
UNDER 6500--	4	6	9	5671	4.2	259					1	3164	317
6500 - 7499--	4	7	8	6243	4.6	285	1	3	9953	406	1	7652	407
7500 - 8499--	4	8	10	8099	4.2	329	5	2	9649	392	5	6975	375
8500 - 9499--	7	56	85	8950	4.5	399	4	4	9369	396	4	9711	416
9500 - 10499--	11	58	92	10044	4.4	440	5	5	9878	405	7	9706	414
10500-11499--	9	49	77	11024	4.5	467	5	4	9565	404	2	9702	416
11500-12499--	1	4	5	12404	4.5	541	1	1	10550	421	1	11467	435
12500-13499--	3	4	4	13667	4.2	548							
14500-15499--	1	1	2	15630	5.9	586							
16500-- OVER							1	1	8360	344	1	8960	377
M. SHORTHORN													
UNDER 6500--	3	5	6	5977	4.0	255	1	1	7570	280	1	7401	278
6500 - 7499--	4	21	36	7069	4.0	279	3	5	7966	305	5	5665	312
7500 - 8499--	4	10	17	7908	4.0	311	5	2	7438	290	5	7602	291
8500 - 9499--	1	1	2	8865	3.4	302	1	1	7626	267	1	7600	275
9500 - 10499--	1	3	7	9606	3.6	364	1	5	7610	297	1	8613	329
10500-11499--	1	2	2	10915	3.9	422							
ALL BREEDS													
UNDER 6500--	29	51	73	5480	4.8	264	4	1	6751	337	4	6525	344
6500 - 7499--	54	158	292	6967	5.0	345	12	5	7729	359	11	7642	370
7500 - 8499--	44	137	239	7997	4.7	373	21	2	8173	356	20	8292	370
8500 - 9499--	57	301	501	8974	4.5	382	19	5	9762	408	1	9612	407
9500 - 10499--	44	187	343	10037	4.2	422	16	4	9577	406	16	10414	424
10500-11499--	33	229	332	11042	3.9	424	15	5	11275	429	15	11127	421
11500-12499--	53	1122	1656	11905	3.8	447	32	16	12166	455	32	11922	444
12500-13499--	27	124	231	13624	3.7	462	19	2	12637	460	19	12666	464
13500-14499--	22	88	135	13905	3.7	507	14	5	13276	479	14	12700	460
14500-15499--	11	21	39	15611	3.6	545	5	2	13667	496	5	12961	465
15500-16499--	4	5	12	15962	3.6	607	1	1	14196	524	1	13549	493
16500-- OVER	5	8	14	20179	3.5	748	4	2	14567	544	4	13792	531

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	505-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	2	2	4	5894	4.4	257	2	1	7377	269	2	8005	343
6500 - 7499-	8	31	48	7267	4.1	291	1	3	7954	312	7	8035	314
7500 - 8499-	13	70	121	7923	4.1	328	13	5	9044	372	13	9173	367
8500 - 9499-	9	53	73	8921	4.1	365	9	5	9003	363	9	9143	366
9500 - 10499-	6	12	27	9862	4.3	421	6	2	9350	389	6	9978	412
10500-11499-	2	3	7	10697	4.0	422	2	2	9573	377	2	9129	359
11500-12499-	3	3	6	11513	3.9	464	3	1	10607	427	2	10734	418
GUERNSEY													
UNDER 6500--	11	26	44	6142	4.9	299	10	3	7958	389	9	7851	362
6500 - 7499-	14	90	212	7041	4.8	336	14	5	8076	367	10	7932	374
7500 - 8499-	25	224	600	7618	4.8	374	19	9	9390	404	19	8992	377
8500 - 9499-	3	3	5	8822	4.9	427	2	1	9295	408	2	9271	376
9500 - 10499-	2	4	7	10062	4.4	434	2	2	8553	402	2	8507	378
HOLSTEIN													
UNDER 6500--	1	1	1	4700	4.1	195	1	1	12870	494	1	12644	463
6500 - 7499-	1	1	1	7250	4.0	274	1	1	12190	427	1	13494	467
7500 - 8499-	4	4	8	8231	3.6	295	1	1	9048	325	1	7952	282
8500 - 9499-	7	13	23	9010	4.0	356	7	2	11359	415	7	11250	405
9500 - 10499-	15	36	64	10105	3.6	368	14	2	10677	397	14	10563	370
10500-11499-	40	462	932	11010	3.8	412	40	10	11323	421	39	11279	422
11500-12499-	28	267	514	12017	3.6	428	25	10	11364	422	24	11016	430
12500-13499-	23	79	139	12909	3.6	465	21	3	12371	456	21	12072	448
13500-14499-	11	25	46	13964	3.6	499	11	2	12273	445	11	12656	462
14500-15499-	6	8	10	14946	3.6	538	4	2	12455	450	5	12828	480
15500-16499-	3	4	8	15929	3.6	573	3	1	13744	506	3	13801	511
16500- OVER	2	2	3	17040	3.6	616	2	1	14603	524	2	14751	534
JERSEY													
UNDER 6500--	8	39	64	5790	5.4	311	4	6	7023	363	3	7258	360
6500 - 7499-	11	60	106	7054	5.4	379	9	5	7816	408	9	7723	398
7500 - 8499-	6	61	187	8079	5.3	425	5	7	7161	381	5	8056	429
8500 - 9499-	1	1	2	9430	5.8	544	1	1	8850	483	1	8873	487
9500 - 10499-	1	1	1	9560	5.3	505					1	9352	456
BROWN SWISS													
6500 - 7499-	1	2	3	7350	4.3	311	1	2	10645	470	1	11620	501
8500 - 9499-	2	6	10	8582	4.3	363					1	13320	511
9500 - 10499-	3	3	5	10130	4.5	450	3	1	9827	432	3	11329	487
10500-11499-	1	1	2	10910	4.1	447	1	1	9550	396	1	11500	491
11500-12499-	3	6	6	11913	4.3	515					2	14272	537
ALL BREEDS													
UNDER 6500--	22	68	133	5926	5.0	295	17	3	7958	377	15	8103	382
6500 - 7499-	35	184	450	7111	4.8	340	33	4	8179	370	26	8221	375
7500 - 8499-	48	359	916	7930	4.6	361	30	7	8972	388	38	8903	388
8500 - 9499-	22	76	113	8928	4.2	378	19	3	9892	393	20	10088	396
9500 - 10499-	27	50	104	10035	4.0	379	25	2	10081	400	26	10512	409
10500-11499-	43	466	941	10993	3.8	413	45	9	11201	419	42	11162	420
11500-12499-	34	276	526	11990	3.7	439	26	9	11262	422	26	11743	437
12500-13499-	23	79	139	12909	3.6	465	21	3	12371	456	21	12072	448
13500-14499-	11	25	46	13964	3.6	498	11	2	12273	445	11	12656	462
14500-15499-	6	8	10	14946	3.6	538	4	2	12453	450	5	12828	480
15500-16499-	3	4	8	15929	3.6	573	3	1	13744	506	3	13801	511
16500- OVER	2	2	3	17040	3.6	616	2	1	14603	524	2	14751	534

TABLE 14.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY U.S. NO.	MILK LB.	AV. FAT LB.	YEARLY SIREs NO.	HERD AVERAGE MILK LB.	FAT LB.
AYRSHIRE													
UNDER 6500--	3	5	5	5288	4.1	215	1	3	8153	334	1	7461	309
6500 - 7499--	7	20	44	7068	4.2	296	7	3	8759	353	7	6619	351
7500 - 8499--	14	323	720	8062	4.2	341	13	20	9255	378	13	9370	382
8500 - 9499--	21	230	491	8561	4.1	352	18	16	9267	378	18	9427	364
9500 - 10499--	15	31	81	10019	4.2	420	12	2	10457	419	12	10160	403
10500-11499--	6	52	57	10758	4.3	462	6	9	10003	414	6	9798	401
11500-12499--	2	2	2	11975	4.3	515	2	1	10110	411	1	10475	428
12500-13499--	2	2	2	12625	4.2	539	2	1	11565	465	2	10311	421
GUERNSEY													
UNDER 6500--	19	33	58	5874	5.0	292	12	1	8303	378	9	9112	386
6500 - 7499--	59	389	925	7085	4.9	343	46	6	8562	388	43	8555	392
7500 - 8499--	48	761	1747	7937	4.9	388	39	15	8809	402	37	8719	409
8500 - 9499--	17	43	139	8902	4.9	438	15	2	8755	400	14	8466	390
9500 - 10499--	6	23	93	9880	4.6	447	6	3	9609	433	6	9063	407
10500-11499--	2	2	9	10948	5.1	552	1	1	9104	448	1	9114	450
11500-12499--	1	1	6	11710	4.8	569	1	1	8450	417	1	8235	414
HOLSTEIN													
UNDER 6500--	10	10	12	5389	3.5	188	6	1	10062	372	5	10239	397
6500 - 7499--	11	12	24	7066	3.7	262	9	1	8934	326	9	10025	378
7500 - 8499--	24	30	60	8045	3.6	290	18	1	9317	352	15	9771	374
8500 - 9499--	26	65	130	9138	3.7	337	17	3	10122	390	16	10470	402
9500 - 10499--	55	185	407	10020	3.7	371	46	3	10785	415	41	10465	404
10500-11499--	98	3046	5950	10900	3.7	468	84	31	11302	432	80	11247	431
11500-12499--	92	3355	6546	11993	3.8	453	86	35	11691	444	82	11737	446
12500-13499--	71	361	762	12941	3.8	487	64	5	11901	458	60	11963	464
13500-14499--	45	274	364	13966	3.7	521	35	7	12436	482	31	12326	476
14500-15499--	21	74	96	14596	3.8	559	20	4	13062	502	17	12840	501
15500-16499--	11	39	71	16074	3.8	611	10	4	12226	470	7	12240	481
16500-- OVER	13	15	33	18326	3.7	672	11	1	12208	469	10	13661	500
JERSEY													
UNDER 6500--	12	22	40	5741	5.2	297	6	2	6850	345	7	6821	345
6500 - 7499--	24	299	726	6961	5.2	363	14	9	7572	395	16	7734	401
7500 - 8499--	11	119	221	7891	5.2	405	6	8	7879	416	6	8273	429
8500 - 9499--	15	56	124	8937	5.3	475	6	4	8601	431	6	8329	417
9500 - 10499--	7	36	105	10218	5.5	564	1	1	7607	468	1	8153	432
10500-11499--	3	13	41	11037	5.5	608							
BROWN SWISS													
UNDER 6500--	2	3	5	5528	4.5	246	1	2	9503	376	1	9797	386
6500 - 7499--	5	8	14	6814	4.2	285	2	2	9219	383	2	10170	387
7500 - 8499--	6	21	38	7857	4.2	329	4	2	9250	367	4	9796	396
8500 - 9499--	13	39	65	9139	4.2	362	3	3	8216	320	12	10473	422
9500 - 10499--	11	78	129	10033	4.2	420	7	2	10277	419	9	10397	410
10500-11499--	14	51	79	11015	4.3	475	7	2	10274	430	12	10238	407
11500-12499--	7	15	30	11953	4.3	516	2	1	10355	455	5	9576	381
12500-13499--	5	17	20	13125	4.5	591					2	11510	463
13500-14499--	4	14	18	13992	4.4	620							
14500-15499--	2	2	3	14735	4.0	584	1	1	10980	441	1	9810	555
16500-- OVER	1	1	1	17120	4.3	726							
ALL BREEDS													
UNDER 6500--	46	73	120	5660	4.6	264	28	2	8302	366	23	8618	371
6500 - 7499--	106	728	1733	7041	4.6	333	76	6	8461	379	77	8604	389
7500 - 8499--	103	1254	2786	7769	4.5	357	82	11	8922	386	77	9140	399
8500 - 9499--	92	433	949	8930	4.4	386	59	5	9262	390	66	9566	400
9500 - 10499--	94	553	815	10027	4.0	404	72	3	10539	417	69	10251	405
10500-11499--	123	3164	6136	10974	3.9	425	96	27	11127	431	99	11015	427
11500-12499--	102	3373	6584	11789	3.9	460	91	35	11591	443	89	11362	441
12500-13499--	78	380	784	12950	3.6	495	66	5	11891	458	64	11916	463
13500-14499--	49	288	382	13968	3.6	529	33	7	12436	482	31	12326	476
14500-15499--	23	76	99	14662	3.8	562	21	3	12963	499	16	12671	493
15500-16499--	11	39	71	16074	3.8	611	10	4	12226	470	9	12240	481
16500-- OVER	14	16	34	18240	3.7	676	11	1	12208	469	10	13661	500

TABLE 14.--DAUGHTER-AVERAGE OF SIKES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRE NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIKES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	3	5	9	4914	4.4	217	1	1	7950	321	1	6573	277
6500 - 7499--	8	11	14	6890	3.9	272	3	1	9953	410	2	8478	350
7500 - 8499--	5	10	10	7923	4.2	353	3	2	9198	385	1	8099	341
8500 - 9499--	2	3	3	8923	4.4	392	2	2	11603	483	1	9554	398
9500 - 10499--	4	9	9	9881	4.1	406	3	3	9167	395	1	9429	401
12500-15499--	1	1	1	13590	4.5	601	1	1	9620	414			
14500-15499--	1	3	3	15130	4.2	614	1	3	9380	383	1	7330	399
GUERNSEY													
UNDER 6500--	13	34	74	5833	4.9	298	2	2	8848	377	2	9631	399
6500 - 7499--	36	335	722	7004	4.9	344	11	5	8555	394	11	8993	392
7500 - 8499--	34	240	506	8007	4.9	391	19	3	9657	450	19	9240	438
8500 - 9499--	18	59	121	8965	4.9	441	9	2	8705	393	7	9228	424
9500 - 10499--	9	10	22	9826	4.7	460	4	1	9013	419	5	9618	449
10500-11499--	3	6	9	10878	4.8	514	1	2	10265	439	1	9898	418
12500-15499--	2	2	2	13035	4.6	600	1	1	14820	560	1	13565	495
HOLSTEIN													
UNDER 6500--	6	7	13	6001	3.5	212	1	1	10750	399	1	10399	375
6500 - 7499--	8	11	24	7050	3.5	248							
7500 - 8499--	18	26	51	8028	3.7	297	4	3	9350	348	4	10647	398
8500 - 9499--	26	42	70	8957	3.9	346	14	2	10913	408	12	11212	424
9500 - 10499--	49	127	234	10097	3.6	367	27	2	11971	445	22	12058	445
10500-11499--	65	686	1360	11058	3.7	407	49	5	12104	458	44	12033	449
11500-12499--	85	1699	2891	11964	3.7	445	65	12	12672	480	62	12551	469
12500-15499--	74	1854	2790	12964	3.7	482	60	20	12928	483	56	12691	474
13500-14499--	48	266	382	13778	3.7	516	45	5	13267	506	37	12839	494
14500-15499--	28	62	80	14822	3.7	549	22	2	13969	534	21	15033	514
15500-16499--	17	41	54	15837	3.7	579	15	2	13741	523	14	15864	524
16500- OVER	16	19	24	17742	3.7	660	15	1	14317	551	12	13959	530
JERSEY													
UNDER 6500--	11	20	29	5652	5.2	292	4	1	7258	378	3	7827	408
6500 - 7499--	5	46	83	7002	5.6	386	1	6	8939	440	1	8977	453
7500 - 8499--	17	135	256	7842	5.3	417	6	5	8723	440	3	8018	451
8500 - 9499--	8	47	73	8347	5.2	459	3	8	10201	536	5	8804	457
9500 - 10499--	1	1	2	10570	5.4	564	1	1	9750	492			
10500-11499--	2	2	6	10612	4.6	469					1	11543	521
BROWN SWISS													
UNDER 6500--	1	1	1	6390	4.2	268							
6500 - 7499--	1	1	1	6620	4.0	268							
7500 - 8499--	2	2	2	8055	4.7	375	1	1	7700	328	2	10161	450
8500 - 9499--	5	11	14	9141	4.1	375	2	1	10808	451	3	10929	452
9500 - 10499--	7	9	12	10106	4.4	441	3	2	10712	442	3	10521	439
10500-11499--	3	4	5	10615	4.3	455	2	2	10908	485	2	11028	460
11500-12499--	5	6	8	11997	4.0	479	2	1	11495	491	1	11467	491
12500-15499--	2	2	4	13292	4.0	523					1	11401	460
13500-14499--	2	2	2	14140	4.2	595	1	1	8580	576	1	11412	487
14500-15499--	1	1	2	14710	4.0	591	1	1	10980	460			
ALL BREEDS													
UNDER 6500--	34	67	126	5739	4.7	269	6	1	8168	373	7	8530	382
6500 - 7499--	58	404	844	6988	4.6	325	15	4	8860	400	14	8918	390
7500 - 8499--	76	413	825	7971	4.7	370	35	3	9311	427	34	9328	433
8500 - 9499--	59	162	281	8959	4.4	394	30	2	10218	426	20	10303	430
9500 - 10499--	70	156	279	10055	3.9	392	38	2	11285	439	29	11556	443
10500-11499--	71	698	1380	11019	3.8	417	52	5	12026	457	40	11737	451
11500-12499--	90	1705	2899	11766	3.8	447	65	12	12636	480	65	12534	469
12500-15499--	79	1859	2797	12960	3.8	467	62	19	12906	483	56	12601	474
13500-14499--	50	268	384	13985	3.7	519	44	5	13180	504	36	12801	494
14500-15499--	30	66	85	14828	3.7	553	24	2	13653	525	22	12865	509
15500-16499--	17	41	54	15837	3.7	579	15	2	13741	523	14	15864	524
16500- OVER	16	19	24	17742	3.7	660	15	1	14317	551	12	13959	530

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRLS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES NO.	DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE													
6500 - 7499--	3	18	31	6919	4.3	302							
7500 - 8499--	4	18	36	8162	4.2	333	3	1	7868	314	3	7863	319
8500 - 9499--	6	70	111	8853	4.3	372	5	3	7837	409	5	9714	400
9500 - 10499--	7	28	40	9963	4.1	405	4	4	9749	392	4	10105	406
GUERNSEY													
UNDER 6500--	11	61	146	6116	4.9	302	4	2	6358	300	4	6948	330
6500 - 7499--	8	36	87	7124	4.7	334	1	4	7637	373	1	7418	374
7500 - 8499--	9	61	134	8002	4.9	390	4	4	8253	359	4	8847	386
8500 - 9499--	3	5	12	8857	4.2	373	2	2	8884	411	2	7690	369
9500 - 10499--	1	1	4	9503	4.5	431							
HOLSTEIN													
UNDER 6500--	4	4	5	5251	3.6	190	1	1	9800	356	1	9625	354
6500 - 7499--	6	6	13	6881	3.7	256	2	1	7550	292	2	9020	331
7500 - 8499--	14	22	32	8105	3.8	309	6	2	10212	390	6	10525	393
8500 - 9499--	20	29	40	8946	3.7	328	12	1	10649	381	9	10888	397
9500 - 10499--	33	333	741	10132	3.7	373	19	6	11037	399	20	11227	416
10500-11499--	46	290	577	11002	3.7	402	34	4	11138	407	29	11448	421
11500-12499--	35	270	420	11953	3.7	441	21	7	11646	430	16	11677	434
12500-13499--	25	79	126	12970	3.7	478	22	2	11806	428	21	11794	431
13500-14499--	13	27	56	13920	3.6	501	10	2	12462	450	9	12143	443
14500-15499--	11	15	45	14881	3.5	522	4	2	12233	454	3	13580	488
15500-16499--	3	4	6	15850	3.8	608	1	2	11850	463	1	12328	470
16500-- OVER	7	7	10	17389	3.7	635	4	1	12906	474	4	12035	444
JERSEY													
UNDER 6500--	12	57	127	5661	5.2	295	3	4	5697	291	4	6858	349
6500 - 7499--	14	136	291	7161	5.2	368	11	3	7406	378	11	7458	376
7500 - 8499--													
8500 - 9499--	3	3	4	8658	4.9	425	1	1	8850	448			
9500 - 10499--	2	2	2	9785	5.0	490	2	1	9390	471	1	8796	417
15500-16499--	1	2	2	16125	5.0	705	1	2	7540	390			
BROWN SWISS													
UNDER 6500--	(1	1	2	5960	4.3	252							
10500-11499--	2	4	5	4983	4.6	219	1	2	5325	228			
	1	1	1	10630	4.1	440							
ALL BREEDS													
UNDER 6500--	28	123	280	5792	4.8	281	10	3	6372	301	9	7206	341
6500 - 7499--	31	196	422	7047	4.7	331	14	3	7439	366	14	7749	370
7500 - 8499--	32	115	229	7694	4.3	329	19	2	8902	364	16	9400	376
8500 - 9499--	32	107	167	8890	4.0	349	20	2	10180	394	16	10121	394
9500 - 10499--	43	364	787	10674	3.8	385	25	5	10699	404	25	10950	415
10500-11499--	47	291	578	10994	3.7	403	34	4	11138	407	29	11448	421
11500-12499--	35	270	420	11953	3.7	441	21	7	11646	430	16	11677	434
12500-13499--	25	79	126	12970	3.7	478	22	2	11806	428	21	11794	431
13500-14499--	13	27	56	13920	3.6	501	10	2	12462	450	9	12143	443
14500-15499--	11	15	45	14881	3.5	522	4	2	12233	454	3	13580	488
15500-16499--	4	6	8	15919	4.1	635	2	2	9695	427	1	12328	470
16500-- OVER	7	7	10	17389	3.7	635	4	1	12906	474	4	12035	444

TABLE 14.--DAUGHTER-AVERAGE OF SIKES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIKES NO.	CONTEMPORARY DAUS. NO.	AV. MILK LB.	FAT LB.	YEARLY SIKES NO.	HERD AVERAGE MILK LB.	FAT LB.
AYKSHIRE													
UNDER 6500--	5	8	10	5315	4.0	210	3	2	7247	290	1	6104	232
6500 - 7499--	9	24	52	7044	3.9	272	6	2	8469	337	0	7940	316
7500 - 8499--	10	26	49	8061	4.0	322	9	2	8615	351	0	9020	356
8500 - 9499--	10	39	58	9035	4.0	364	8	4	8236	327	8	8316	333
9500 - 10499--	7	26	28	9902	4.0	393	5	5	9636	378	4	8849	356
10500-11499--	5	9	10	10898	4.0	441	5	2	9314	354	5	9716	370
11500-12499--	1	2	3	12108	3.6	456	1	2	7370	305	1	7260	294
GULDNSEY													
UNDER 6500--	11	35	56	5973	4.9	294	8	3	7974	366	6	7892	365
6500 - 7499--	29	150	317	7014	4.8	337	24	5	8299	368	22	7937	353
7500 - 8499--	30	183	405	7923	4.8	377	26	6	8475	381	26	8293	376
8500 - 9499--	13	20	54	8960	4.7	417	10	1	9004	399	10	8281	375
9500 - 10499--	5	6	19	10143	4.3	430	3	1	8451	404	2	5862	350
10500-11499--	5	5	12	11087	4.1	434	2	1	8735	404	2	8818	405
11500-12499--	1	2	5	11954	4.1	477							
HOLSTEIN													
UNDER 6500--	3	3	4	5948	3.9	230	3	1	9152	331	3	10242	377
6500 - 7499--	8	8	10	7084	3.7	262	5	1	7546	351	4	9837	355
7500 - 8499--	9	12	19	8069	3.6	293	7	1	8517	316	7	8964	336
8500 - 9499--	24	59	107	9087	3.7	338	19	2	10110	371	16	10423	381
9500 - 10499--	42	531	1049	10079	3.7	369	38	13	10649	386	39	10523	384
10500-11499--	63	1473	2650	10772	3.7	399	61	22	10944	402	66	11129	410
11500-12499--	49	577	1054	11963	3.7	437	45	12	11514	423	45	11473	420
12500-13499--	31	355	650	12666	3.7	475	30	11	11940	441	36	12253	446
13500-14499--	23	292	453	13937	3.6	505	23	12	12725	473	23	12616	465
14500-15499--	9	13	17	14985	3.5	531	8	2	13209	473	7	13251	482
15500-16499--	4	4	10	15925	3.4	546	3	1	12582	458	3	14893	534
16500- OVER	1	1	2	17175	3.2	547	1	1	12390	436	1	12906	461
JERSEY													
UNDER 6500--	18	52	84	5960	5.2	309	11	3	7043	341	11	7154	343
6500 - 7499--	20	153	274	7004	5.1	358	17	6	7562	374	16	7516	367
7500 - 8499--	19	167	287	7693	5.0	397	17	7	7713	379	17	7607	374
8500 - 9499--	5	7	9	9085	5.2	471	3	1	9398	466	3	9088	459
9500 - 10499--	1	1	1	10050	4.0	407	1	1	7420	353	1	7750	375
10500-11499--	1	1	1	10610	4.8	510							
BROWN SWISS													
UNDER 6500--	1	1	1	5350	4.5	241							
6500 - 7499--	3	4	5	6742	4.4	296	2	2	7275	297	2	7821	322
7500 - 8499--	4	12	22	8123	4.0	323	4	2	8614	357	4	8627	362
8500 - 9499--	2	5	6	8957	4.1	363					1	10366	362
9500 - 10499--	3	4	6	9682	4.2	406	2	2	8428	342	1	7761	319
10500-11499--	2	3	3	10545	4.2	439	2	1	7960	325	1	7532	344
11500-12499--	2	3	5	11750	4.3	496	1	1	7920	357	1	6055	365
12500-13499--	1	1	1	12590	4.1	521					1	10410	363
14500-15499--	1	1	1	14630	3.8	562							
15500-16499--	1	1	3	15643	4.1	639							
ALL BREEDS													
UNDER 6500--	38	99	155	5862	4.8	284	25	3	7618	342	23	7768	350
6500 - 7499--	69	339	658	7011	4.6	324	54	4	8170	362	52	7933	353
7500 - 8499--	72	400	782	7966	4.6	361	63	5	8304	367	62	8309	368
8500 - 9499--	54	130	234	9042	4.2	375	40	2	9405	376	36	9309	375
9500 - 10499--	58	568	1103	10042	3.8	379	49	10	10254	384	47	10065	378
10500-11499--	76	1491	2676	10959	3.7	408	70	20	10694	397	66	10904	406
11500-12499--	53	584	1067	11957	3.7	441	47	11	11349	419	47	11311	416
12500-13499--	32	356	651	12657	3.7	476	30	11	11940	441	31	12194	443
13500-14499--	23	292	453	13937	3.6	505	23	12	12725	473	23	12616	465
14500-15499--	10	14	18	14949	3.6	534	8	2	13209	473	7	13251	482
15500-16499--	5	5	13	15869	3.6	564	3	1	12582	458	3	14893	534
16500- OVER	1	1	2	17175	3.2	547	1	1	12390	436	1	12906	461

TABLE 14.--DAUGHTER-AVERAGE OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRS NO.	DAUS. NO.	MILK LB.	FAT LB.	YEARLY HERD AVERAGE SIRS NO.	MILK LB.	FAT LB.
AYRSHIRE													
6500 - 7499--	1	2	3	7348	4.3	309							
8500 - 9499--	1	1	1	9330	4.7	441							
GUERNSEY													
UNDER 6500--	7	29	51	5809	4.7	269	5	3	7550	332	3	7770	343
6500 - 7499--	13	156	284	7056	4.7	333	11	5	8217	374	7	7890	347
7500 - 8499--	12	115	226	7955	4.6	367	10	7	7984	358	10	7654	344
8500 - 9499--	5	12	25	8897	4.7	421	2	2	9093	447	1	8764	396
9500 - 10499--	3	3	6	9953	4.6	459	2	1	8254	373	1	7254	327
11500-12499--	1	1	2	12035	3.8	456	1	1	11360	419	1	11576	421
HOLSTEIN													
UNDER 6500--	2	2	2	5595	3.7	203	2	1	6925	257	2	6769	256
6500 - 7499--	2	2	2	6995	3.5	245	2	1	9110	330	2	9473	354
7500 - 8499--	6	6	6	8168	3.4	278	4	1	9758	354	3	8298	308
	10	13	19	8192	3.8	314	6	1	8887	341	4	9975	366
9500 - 10499--	11	230	400	10029	3.6	362	10	18	10145	374	6	10335	376
10500-11499--	15	279	449	10952	3.7	401	13	19	11240	410	12	11153	401
11500-12499--	12	89	112	11855	3.5	419	9	9	11275	408	7	11064	394
12500-13499--	8	54	96	13014	3.6	465	7	6	11476	414	6	11466	417
13500-14499--	7	8	12	13933	3.5	483	6	1	12550	454	3	10726	403
14500-15499--	5	6	9	15002	3.5	519	5	1	12556	454	3	10874	393
15500-16499--	3	3	5	15983	3.1	503	3	1	14070	489	1	15647	457
16500-- OVER	5	5	9	19162	3.3	679	4	1	10928	389	2	14759	500
JERSEY													
UNDER 6500--	6	19	29	5292	5.3	277	1	3	8142	395	1	7625	387
6500 - 7499--	7	25	46	6962	5.3	362	2	4	7590	345	3	8073	363
7500 - 8499--	4	15	16	7959	5.0	397	4	3	8604	420	4	8048	405
8500 - 9499--	1	1	1	8500	5.3	448							
9500 - 10499--	1	1	4	9595	4.3	410							
16500-- OVER													
BROWN SWISS													
7500 - 8499--	1	3	3	7907	3.7	312	1	2	10525	428	1	11020	402
8500 - 9499--	1	15	22	9465	4.1	396	1	8	9379	378	1	9306	367
9500 - 10499--	1	24	57	9791	4.0	391	1	9	10256	411	1	7499	378
10500-11499--	3	41	93	10707	4.1	439	1	6	8904	359	1	10052	396
11500-12499--	4	72	203	11628	3.7	440	4	5	10308	396	4	10807	427
12500-13499--	1	1	1	12850	3.6	492	1	1	10550	411	1	11565	440
14500-15499--	1	1	1	14890	4.2	632	1	1	9340	367	1	9145	359
ALL BREEDS													
UNDER 6500--	15	50	82	5574	4.8	263	6	3	7468	321	6	7412	321
6500 - 7499--	23	185	335	7017	4.8	335	15	4	8252	364	12	8200	352
7500 - 8499--	23	139	251	8009	4.3	346	19	5	8617	370	16	8036	355
8500 - 9499--	18	42	68	8539	4.2	363	9	2	8987	368	6	9662	371
9500 - 10499--	16	258	467	9973	3.9	385	13	15	9860	377	10	9943	372
10500-11499--	18	320	542	10944	3.8	407	14	18	11079	406	13	11068	401
11500-12499--	17	162	317	11845	3.6	426	14	7	11064	405	12	11021	407
12500-13499--	7	55	97	12996	3.6	468	8	5	11360	414	7	11480	421
13500-14499--	7	8	12	13933	3.5	483	6	1	12550	454	3	10726	403
14500-15499--	6	7	10	14904	3.6	538	6	1	12028	440	4	10442	385
15500-16499--	3	3	5	15983	3.1	503	3	1	14070	489	1	15647	457
16500-- OVER	6	6	10	20135	3.4	733	5	1	9415	345	3	12767	486

TABLE 14.--DAUGHTER-AVERAGE OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRLS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY Sires NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY Sires NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
6500 - 7499-	4	5	7	7009	3.8	267	2	2	9181	361			
7500 - 8499-	3	4	6	7977	4.0	321	2	2	8298	321	1	7401	291
8500 - 9499-	2	5	15	9365	3.9	361	2	2	8021	316	2	7562	327
9500 - 10499-	1	1	3	9673	3.9	382	1	1	12490	464			
11500-12499-	1	2	3	11760	4.1	474	1	2	9438	377	1	9941	385
GUERNSEY													
UNDER 6500--	17	46	89	5787	4.8	275	16	2	8409	333	15	7910	316
6500 - 7499-	11	50	86	6936	4.8	331	10	3	9201	372	10	8429	335
7500 - 8499-	11	77	141	7864	4.7	366	11	6	9248	383	11	8767	362
8500 - 9499-	2	6	8	9145	4.9	446	1	5	10047	379	1	9294	385
10500-11499-	1	1	3	11100	4.6	510	1	1	9177	441	1	8759	414
HOLSTEIN													
UNDER 6500--	5	5	7	5421	3.8	206	4	1	8554	309	3	8926	324
6500 - 7499-	7	12	17	7157	4.0	282	4	1	8734	331	3	9436	358
7500 - 8499-	7	15	26	8027	3.8	303	7	2	9803	355	7	9194	347
8500 - 9499-	14	44	72	8873	3.6	326	12	3	9445	359	12	9528	356
9500 - 10499-	24	241	451	10098	3.7	372	21	10	10176	380	20	9515	363
10500-11499-	33	276	478	10906	3.7	399	31	8	10341	393	28	10333	392
11500-12499-	20	122	161	11439	3.7	442	18	7	11297	422	17	10365	403
12500-13499-	19	36	66	13013	3.6	469	14	2	12547	466	14	11900	444
13500-14499-	18	70	101	14094	3.7	517	17	4	12769	476	16	11916	447
14500-15499-	10	15	38	14968	3.6	535	9	1	13070	484	8	12550	460
15500-16499-	10	12	14	15984	3.6	566	9	1	12458	478	8	12537	472
16500- OVER	7	8	12	18804	3.5	660	7	1	13476	502	5	15285	498
JERSEY													
UNDER 6500--	12	47	92	5659	5.0	282	7	2	7318	353	7	8049	381
6500 - 7499-	18	139	220	6963	5.1	352	12	4	7508	376	12	8176	363
7500 - 8499-	15	99	203	7615	5.1	390	10	5	8008	388	11	7937	394
8500 - 9499-	12	66	61	8817	4.9	431	9	4	8413	411	8	8576	415
9500 - 10499-	1	7	7	9741	4.6	450	1	5	8816	466	1	8509	394
BROWN SWISS													
UNDER 6500--	3	5	6	5767	4.8	278	2	1	10695	438			
6500 - 7499-	1	1	1	7190	4.2	302							
7500 - 8499-	2	3	3	7775	3.9	302							
8500 - 9499-	5	7	10	8954	4.3	382	1	1	8150	325			
9500 - 10499-	3	7	13	9995	4.2	414							
10500-11499-	4	8	13	11187	4.0	447	1	1	15930	563			
11500-12499-	5	8	9	12219	3.8	463	2	1	11550	470	1	12982	517
12500-13499-	2	2	2	13045	3.8	497	1	1	11320	407	1	12982	517
13500-14499-	1	1	3	14030	3.9	542							
ALL BREEDS													
UNDER 6500--	37	103	194	5694	4.7	268	29	2	8324	342	25	8671	335
6500 - 7499-	41	207	331	6999	4.7	325	28	3	8456	367	25	8428	361
7500 - 8499-	38	198	379	7800	4.6	357	30	4	8901	374	30	8517	368
8500 - 9499-	35	128	186	8709	4.2	376	25	3	8952	373	23	9016	375
9500 - 10499-	29	256	474	10060	3.8	380	23	10	10218	368	21	9467	364
10500-11499-	38	285	494	10940	3.7	407	35	7	10475	399	29	10298	393
11500-12499-	26	132	173	11986	3.7	447	21	6	11251	425	19	10461	408
12500-13499-	21	40	68	13021	3.6	472	15	2	12460	464	15	11972	449
13500-14499-	19	71	104	14091	3.7	518	17	4	12769	476	16	11916	447
14500-15499-	10	15	38	14968	3.6	535	9	1	13070	484	8	12550	460
15500-16499-	10	12	14	15984	3.6	566	9	1	12458	478	8	12537	472
16500- OVER	7	8	12	18804	3.5	660	7	1	13476	502	5	15285	498

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							SIRES NO.	DAUS. NO.	MILK LB.		SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 6500--	1	2	4	5765	4.2	242							
6500 - 7499--	2	2	2	7430	3.9	286							
7500 - 8499--	3	3	3	8013	4.1	327							
8500 - 9499--	1	1	1	9330	3.8	352							
9500 - 10499--	1	1	1	10380	3.9	403							
GUERNSEY													
UNDER 6500--	18	27	36	5561	4.8	264	13	2	7408	333	9	6916	308
6500 - 7499--	19	45	99	7009	4.4	310	15	2	8079	368	11	7726	356
7500 - 8499--	22	131	298	8043	4.6	367	20	6	8843	402	20	8316	385
8500 - 9499--	17	58	129	8938	4.5	402	14	4	8697	394	14	8394	386
9500 - 10499--	5	5	14	9780	4.4	432	4	1	8517	378	4	8147	357
10500-11499--	4	4	7	10760	4.3	464	4	1	9243	418	2	8617	392
HOLSTEIN													
UNDER 6500--	4	4	4	6583	3.6	226	4	1	7440	320	2	6159	262
6500 - 7499--	4	5	5	7089	3.6	252	4	1	9615	364	2	9118	361
7500 - 8499--	10	12	20	8017	3.6	290	6	1	8743	355	4	7663	329
8500 - 9499--	11	25	57	9027	3.7	337	9	2	9350	361	6	8637	354
9500 - 10499--	16	31	55	9983	3.7	363	13	2	9200	374	13	8681	357
10500-11499--	21	39	94	10950	3.7	407	19	2	9137	372	16	8610	358
11500-12499--	14	24	36	11701	3.6	423	12	2	10630	411	9	10205	410
12500-13499--	10	15	20	12975	3.7	473	8	1	10714	422	8	10011	415
13500-14499--	8	10	12	13981	3.5	482	8	1	12436	452	6	10650	418
14500-15499--	2	5	5	14724	3.6	525	1	3	12827	477	1	11565	473
15500-16499--	4	13	14	15866	3.5	561	4	3	12211	457	4	11167	447
16500- OVER	2	4	4	16939	3.7	622	2	2	11387	457	2	12166	516
JERSEY													
UNDER 6500--	18	31	50	5841	5.2	301	11	2	7829	387	8	7514	375
6500 - 7499--	23	167	374	7123	5.2	365	16	5	7732	387	15	7606	379
7500 - 8499--	29	287	624	7946	5.0	396	23	6	8166	409	23	7969	398
8500 - 9499--	9	39	84	9228	5.0	460	7	3	8487	420	6	8146	406
9500 - 10499--	7	11	16	9799	5.1	499	3	2	8978	462	1	7695	412
10500-11499--	1	1	1	10860	5.0	546	1	1	9920	446			
BROWN SWISS													
6500 - 7499--	1	1	1	6890	3.8	263							
7500 - 8499--	1	4	5	8160	4.2	338	1	1	8570	329			
8500 - 9499--	3	6	7	8683	4.2	358							
9500 - 10499--	1	2	3	9543	4.3	403							
10500-11499--	4	4	5	10978	4.4	480	1	1	11090	441	1	8785	360
11500-12499--	4	4	4	11950	3.9	459	2	1	10830	436	2	8785	360
12500-13499--	1	1	1	13180	4.3	570							
ALL BREEDS													
UNDER 6500--	41	64	94	5769	4.0	276	26	2	7578	352	19	7088	331
6500 - 7499--	49	220	481	7084	4.7	329	35	4	8096	376	28	7761	369
7500 - 8499--	65	437	950	7996	4.6	366	50	5	8524	398	47	8091	387
8500 - 9499--	41	129	278	9016	4.4	393	30	3	8844	390	26	8393	384
9500 - 10499--	30	50	69	9905	4.2	409	20	2	9062	388	16	8507	360
10500-11499--	30	48	107	10925	3.9	429	25	1	9264	385	19	8620	361
11500-12499--	18	28	40	11912	3.6	451	14	2	10658	414	11	9247	401
12500-13499--	11	16	21	13012	3.7	482	8	1	10714	422	8	10011	415
13500-14499--	8	10	12	13981	3.5	482	8	1	12436	452	6	10650	418
14500-15499--	2	5	5	14724	3.6	525	1	3	12827	477	1	11565	473
15500-16499--	4	13	14	15866	3.5	561	4	3	12211	457	4	11167	447
16500- OVER	2	4	4	16939	3.7	622	2	2	11387	457	2	12166	516

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	TEMPORARY MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	1	2	2	6305	4.4	273	1	2	6860	264			
6500 - 7500--	1	1	1	8120	3.7	304							
10500-11499--	1	2	6	10503	3.8	406	1	1	9343	357	1	8506	326
GUERNSEY													
UNDER 6500--	10	13	20	5504	5.0	275	7	1	7871	354	4	7785	351
6500 - 7499--	12	110	208	7240	4.6	332	11	7	8721	381	11	8045	349
7500 - 8499--	14	97	192	7970	4.7	375	12	6	8812	388	11	8746	374
8500 - 9499--	4	13	23	8929	4.7	420	4	2	8147	394	4	8083	363
10500-11499--	1	1	3	10547	4.5	473	1	1	11057	460	1	11576	478
HOLSTEIN													
UNDER 6500--	3	3	5	4851	3.8	181	2	1	8537	325	1	6506	223
6500 - 7499--	3	3	3	7093	3.9	276	2	1	11155	423	1	10617	377
7500 - 8499--	9	10	15	8023	3.6	289	7	1	9735	351	5	9539	342
8500 - 9499--	17	43	86	9004	3.6	325	17	2	10790	395	15	10283	375
9500 -10499--	17	141	298	10096	3.6	365	16	8	11006	411	12	10539	399
10500-11499--	40	923	1789	11632	3.7	403	38	22	11541	422	35	11084	407
11500-12499--	33	870	1649	11911	3.6	431	32	25	11418	416	28	11120	412
12500-13499--	26	162	226	12867	3.6	463	24	6	12353	450	23	11505	412
13500-14499--	8	26	41	14068	3.6	504	8	3	12085	437	6	10724	388
14500-15499--	5	6	16	15005	3.5	523	5	1	11919	433	5	10993	411
15500-16499--	3	5	9	15593	3.4	525	3	2	12606	450	3	11570	417
16500-- OVER	3	3	4	17795	3.6	648	2	1	15845	542	1	10126	380
JERSEY													
UNDER 6500--	11	32	53	5297	5.3	281	5	3	6200	316	5	6794	341
6500 - 7499--	20	454	1009	6848	5.1	348	17	10	7531	376	15	7641	384
7500 - 8499--	13	214	332	7637	5.2	405	12	11	7760	390	11	7697	395
8500 - 9499--	8	61	109	8936	5.1	455	6	6	9216	451	5	9001	437
9500 -10499--	1	1	4	10000	5.3	551							
BROWN SWISS													
UNDER 6500--	1	2	3	4990	4.6	231	1	2	8935	385	1	8344	327
6500 - 7499--	3	3	10	6751	4.2	282	2	1	9712	377	2	9610	379
8500 - 9499--	7	16	30	8925	4.2	371	6	2	8531	348	5	8738	352
9500 -10499--	10	64	112	9981	4.1	409	10	4	10178	411	8	10455	420
10500-11499--	2	5	10	10853	4.1	443	1	3	12000	485	1	10980	440
11500-12499--	1	2	2	12310	3.7	451	1	2	11435	445	1	11702	458
12500-13499--	2	3	4	13237	4.1	529	1	2	12583	470	1	12497	485
13500-14499--	1	1	1	13650	3.8	515	1	1	13340	528	1	11359	462
ALL BREEDS													
UNDER 6500--	26	52	83	5352	5.0	265	16	2	7411	355	11	7251	332
6500 - 7499--	38	570	1230	6984	4.8	332	32	8	8307	381	29	8033	370
7500 - 8499--	37	322	540	7940	4.6	363	31	7	8613	381	27	8465	377
8500 - 9499--	36	133	248	8965	4.2	373	33	5	9772	397	29	9492	383
9500 -10499--	28	206	414	10051	3.9	386	26	6	10688	411	20	10505	407
10500-11499--	44	931	1808	11001	3.7	406	41	21	11487	423	38	11021	408
11500-12499--	34	572	1651	11923	3.7	432	33	25	11418	417	29	11140	413
12500-13499--	28	165	230	12894	3.6	467	25	6	12354	451	24	11547	415
13500-14499--	9	27	42	14022	3.6	565	9	2	12225	447	9	10850	396
14500-15499--	5	6	16	15005	3.5	523	5	1	11919	433	5	10993	411
15500-16499--	3	5	9	15593	3.4	525	3	2	12606	450	3	11576	417
16500-- OVER	3	3	4	17795	3.6	648	2	1	15845	542	1	10126	380

TABLE 14.--DAUGHTER-AVERAGE OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTER NO.	RECORD NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	1	1	1	5940	4.4	260							
9500-10499--	1	1	2	9535	4.0	353							
GULRNSEY													
UNDER 6500--	11	20	39	5389	4.7	254							
6500 - 7499--	11	39	60	6952	4.9	335	3	1	8250	391			
7500 - 8499--	7	29	51	7883	4.8	378	4	2	8741	411	2	7783	368
8500 - 9499--	1	2	5	9073	5.0	451							
9500-10499--	3	7	9	9800	4.5	445	2	2	8656	422	1	9723	427
10500-11499--	2	2	5	11035	4.7	513	1	1	10000	461	1	9766	493
11500-12499--	1	1	3	12040	4.9	534	1	1	9257	449			
12500-13499--	1	1	2	12595	4.9	614							
HOLSTEIN													
UNDER 6500--	2	2	2	4835	3.7	177							
6500 - 7499--	2	2	4	7354	3.9	205							
7500 - 8499--	6	10	13	8075	3.8	305							
8500 - 9499--	7	10	18	8911	3.6	326							
9500-10499--	8	14	29	9889	3.7	361							
10500-11499--	25	128	241	11050	3.7	406							
11500-12499--	19	91	179	11889	3.6	428							
12500-13499--	7	11	14	12950	3.6	467							
13500-14499--	7	14	24	13829	3.6	497							
14500-15499--	1	1	1	15310	4.0	616							
JERSEY													
UNDER 6500--	34	219	485	5961	5.2	309	6	1	7925	417	2	7587	411
6500 - 7499--	33	272	604	6897	5.3	302	12	2	7650	365	4	7644	368
7500 - 8499--	13	103	242	7538	5.2	349	8	2	7889	400	6	7599	379
8500 - 9499--	9	20	25	8747	5.1	442	5	2	8498	449	2	7465	404
9500-10499--	4	7	8	9941	4.8	471	4	2	8861	439	3	8902	446
BROWN SWISS													
6500 - 7499--	1	1	1	7380	5.4	399							
8500 - 9499--	1	1	2	9080	3.4	304							
9500-10499--	1	1	2	9690	3.6	347							
13500-14499--	1	1	1	14120	4.4	625							
ALL BREEDS													
UNDER 6500--	48	242	527	5783	5.0	290	6	1	7925	417	2	7587	411
6500 - 7499--	47	314	669	6740	5.1	353	15	1	7770	386	4	7644	368
7500 - 8499--	26	142	306	7755	4.8	366	12	2	8173	403	8	7645	376
8500 - 9499--	18	33	50	8848	4.4	390	5	2	8498	449	2	7465	404
9500-10499--	17	30	50	9667	4.1	402	6	2	8793	433	4	9107	441
10500-11499--	27	130	246	11049	3.8	414	1	1	10000	461	1	9766	493
11500-12499--	20	92	182	11897	3.7	436	1	1	9257	449			
12500-13499--	3	12	16	12906	3.8	485							
13500-14499--	8	15	25	13865	3.7	513							
14500-15499--	1	1	1	15310	4.0	616							

MILK PRODUCTION	SIKLS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	1	1	1	5090	4.6	236							
6500 - 7499--	1	1	4	7190	3.9	263							
7500 - 8499--	1	1	1	8490	3.8	373	1	1	7860	304	1	7979	302
8500 - 9499--	1	1	1	9320	4.0	377	1	1	7240	273	1	7979	302
9500 -10499--	1	2	2	9515	3.6	336	1	2	7415	280	1	7957	302
GUERNSEY													
UNDER 6500--	9	11	20	5690	4.6	264	2	1	5310	244	2	5472	259
6500 - 7499--	7	17	43	7116	4.6	330	3	1	7773	358	2	9412	400
7500 - 8499--	4	6	15	7867	4.6	364							
8500 - 9499--	4	10	35	9203	5.0	455	1	3	10138	400			
10500-11499--	2	2	3	11003	4.5	492							
HOLSTEIN													
UNDER 6500--	4	4	7	5843	3.5	203	1	1	7730	308	1	6573	263
6500 - 7499--	2	2	3	7083	3.7	251	1	1	8890	324	1	9200	349
7500 - 8499--	8	10	10	8069	3.4	278	3	1	7353	275	1	9330	342
8500 - 9499--	14	21	33	9046	3.5	316	9	1	8346	297	5	8828	329
9500 -10499--	13	17	21	9957	3.5	345	9	1	8778	342	6	9750	373
10500-11499--	13	19	30	10986	3.5	381	10	1	9490	359	9	9928	385
11500-12499--	9	19	25	12169	3.5	427	6	2	9953	361	6	9233	344
12500-13499--	6	9	13	13155	3.4	447	4	2	10014	381	4	9502	364
13500-14499--	3	3	3	13930	3.6	498	1	1	16130	571	1	12546	471
14500-15499--	2	2	2	14655	3.3	493	2	1	11925	447	2	11249	447
15500-16499--	1	1	5	15906	3.1	493							
JERSEY													
UNDER 6500--	27	87	147	5302	5.0	265	8	2	6946	339	7	7377	341
6500 - 7499--	14	68	138	7046	5.0	349	9	2	8144	389	7	8331	382
	9	17	29	7377	4.7	352	6	2	7394	353	3	8201	387
8500 - 9499--	4	4	9	8730	5.1	439	1	1	7200	355			
9500 -10499--	3	10	13	10015	5.0	494	2	3	9472	440	2	9720	424
16500-- OVER													
BROWN SWISS													
UNDER 6500--	2	2	2	5415	4.2	227							
7500 - 8499--	2	2	3	8253	3.9	320							
9500 -10499--	3	3	3	9910	3.8	378					2	8055	309
ALL BREEDS													
UNDER 6500--	43	105	177	5434	4.6	257	11	2	6720	319	16	6915	317
6500 - 7499--	24	88	188	7076	4.7	333	13	2	8116	377	10	8634	383
7500 - 8499--	24	36	58	7609	4.2	325	10	1	7428	325	5	8383	361
8500 - 9499--	23	36	78	9030	4.1	364	12	1	8309	308	4	8616	323
9500 -10499--	20	32	39	9936	3.8	372	12	2	8780	353	11	9273	364
10500-11499--	15	21	33</										

TABLE 14.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY DAUS. NO.	AV. MILK LB.	FAT LB.	YEARLY SIREs NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
6500 - 7499--	1	1	1	6640	4.4	289							
7500 - 8499--													
9500 - 10499--	2	4	6	9669	4.2	403							
10500-11499--	1	1	1	11200	3.8	429	1	1	7200	312	1	7935	341
GUERNSEY													
UNDER 6500--	19	30	51	5793	4.5	261	13	2	7511	346	8	6353	286
6500 - 7499--	17	21	38	6976	4.9	342	11	1	7862	362	9	7138	327
7500 - 8499--	9	25	49	7964	4.5	361	8	2	7575	355	5	6644	308
8500 - 9499--	4	6	18	9087	4.8	430	4	2	8563	407	3	9342	417
9500 - 10499--	3	3	7	9869	4.3	423	2	1	8525	389	2	6225	381
10500-11499--	1	2	4	10523	4.7	493	1	2	8855	418			
11500-12499--	1	1	3	12187	4.7	573	1	1	10665	466	1	8399	396
HOLSTEIN													
UNDER 6500--	2	2	3	6188	3.8	232	2	1	8555	330	1	7281	313
6500 - 7499--	3	3	3	6810	4.1	277	3	1	7210	312	3	7285	304
7500 - 9499--	2	2	2	9360	3.7	347	2	1	10885	424			
9500 - 10499--	11	22	43	9352	3.6	354	11	2	9354	362	7	8719	341
10500-11499--	6	10	20	10941	3.4	375	6	2	10232	381	3	9351	361
11500-12499--	6	15	25	11837	3.6	420	6	3	10919	392	5	10214	381
12500-13499--	2	2	2	12780	3.4	435	2	1	11090	390	1	8807	311
13500-14499--	2	3	3	13665	3.7	501	2	2	13495	534	2	11456	444
14500-15499--	1	1	2	15110	3.6	537	1	1	13885	471	1	13048	468
JERSEY													
UNDER 6500--	35	171	312	5739	5.2	299	26	2	6655	334	19	6470	325
6500 - 7499--	26	161	288	6856	5.1	352	23	4	7086	355	18	6846	336
7500 - 8499--	9	24	48	7759	5.0	399	7	2	7773	387	6	6914	344
8500 - 9499--	4	12	22	9006	4.8	432	3	4	8433	430	3	7389	384
9500 - 10499--	1	1	1	9670	4.9	475	1	1	9400	422	1	10737	511
10500-11499--	1	1	1	10530	5.1	534	1	1	8390	428	1	7717	404
BROWN SWISS													
UNDER 6500--	1	1	1	6110	4.5	278							
9500 - 10499--	1	1	3	10203	3.8	362							
11500-12499--	3	4	10	11981	4.0	477							
ALL BREEDS													
UNDER 6500--	57	204	367	5779	4.9	284	41	2	7019	337	26	6466	313
6500 - 7499--	47	186	330	6892	5.0	342	37	3	7427	354	30	6984	330
7500 - 8499--	20	51	99	7703	4.7	365	17	2	7462	353	12	6886	329
8500 - 9499--	10	20	42	9109	4.6	414	9	2	9036	418	6	8365	400
9500 - 10499--	18	31	60	9644	3.9	379	14	2	9239	370	10	8822	366
10500-11499--	9	14	26	10877	3.8	411	9	2	9538	383	5	8741	366
11500-12499--	10	20	38	11916	3.6	452	7	2	10883	403	6	9211	384
12500-13499--	2	2	2	12760	3.4	435	2	1	11090	390	1	8807	311
13500-14499--	2	3	3	13665	3.7	501	2	2	13495	534	2	11456	444
14500-15499--	1	1	2	15110	3.6	537	1	1	13885	471	1	13048	468

TABLE 14.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRE NO.	HELD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
6500 - 7499-	1	1	1	6730	4.2	281	1	1	9350	376			
GUERNSEY													
UNDER 6500--	7	12	17	5764	4.3	248	1	3	7990	381	1	3984	374
6500 - 7499-	3	9	14	7023	5.0	350					1	8077	395
7500 - 8499-	9	16	24	7920	4.7	371	3	1	8293	360			
8500 - 9499-	2	3	4	8958	4.9	435	1	1	10080	462			
9500 - 10499-	2	2	2	9770	4.5	436							
11500-12499-	1	1	1	11940	3.8	457	1	1	8930	396			
14500-15499-	1	1	1	15350	4.7	715							
HOLSTEIN													
5500 - 7499-	7	8	10	6600	3.7	250	6	1	7408	277	1	9058	306
9500 - 10499-	2	3	4	10018	3.7	371	2	2	10765	385			
10500-11499-	3	9	12	11060	3.3	366	3	2	8557	318	1	12437	444
11500-12499-	4	7	11	11974	3.7	436	4	2	11078	398	2	9554	342
12500-13499-	2	3	4	12589	3.6	448	2	2	13229	474	1	12470	448
13500-14499-	2	2	4	14220	3.5	492	1	1	11490	408	1	6502	399
14500-15499-	1	1	1	15400	3.4	528	1	1	12320	440	1	12470	448
15500-16499-	1	1	1	16010	3.2	515	1	1	10380	369			
16500- OVER	2	3	3	19083	3.6	678	1	2	12155	437			
JERSEY													
UNDER 6500--	11	29	57	5636	5.4	304	5	1	7115	367	1	5963	349
6500 - 7499-	9	24	42	6560	5.2	341	4	3	7170	375	2	7423	387
7500 - 8499-	7	16	37	8096	5.2	417	5	1	7183	381			
9500 - 10499-	1	3	11	10433	5.6	586							
BROWN SWISS													
7500 - 8499-	1	2	4	7700	4.6	346							
8500 - 9499-	2	2	4	9050	4.3	385							
11500-12499-	1	3	6	12498	4.0	494							
M. SHORTHORN													
UNDER 6500--	2	7	7	6057	3.9	234	2	4	6560	282	1	9538	375
6500 - 7499-	2	3	3	7073	3.5	240	2	2	6898	279	1	9439	376
7500 - 8499-	1	2	2	8470	3.8	318	1	1	9000	345	1	9538	375
ALL BREEDS													
UNDER 6500--	20	48	81	5723	4.8	277	8	2	7085	347	3	6495	366
6500 - 7499-	16	38	61	6526	4.8	312	8	2	6988	326	4	8091	386
7500 - 8499-	19	37	68	7999	4.8	378	10	1	7512	355	1	9538	375
8500 - 9499-													
9500 - 10499-	5	8	17	10002	4.4	440	2	2	10765	385			
10500-11499-	3	9	12	11060	3.3	366	3	2	8557	318	1	12437	444
11500-12499-	6	11	18	12056	3.8	449	5	2	10664	398	2	9554	342
12500-13499-	2	3	4	12589	3.6	448	2	2	13229	474	1	12470	448
13500-14499-	2	2	4	14220	3.5	492	1	1	11490	408	1	6502	399
14500-15499-	2	2	2	15375	4.1	622	1	1	12320	440	1	12470	448
15500-16499-	1	1	1	16010	3.2	515	1	1	10380	369			
16500- OVER	2	3	3	19083	3.6	678	1	2	12155	437			

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY		AV. FAT LB.	YEARLY SIRES NO.	HERO AVERAGE	
							SIRES NO.	DAUS. NO.			MILK LB.	FAT LB.
GUERNSEY												
UNDER 6500--	13	26	69	5552	4.7	259	10	1	6847	321	8	6480 306
6500 - 7499--	9	35	83	6827	4.6	315	7	3	7091	333	7	6321 296
7500 - 8499--	5	17	51	7906	4.6	365	5	2	7623	361	4	6399 304
9500 -10499--	1	1	1	9770	4.4	434	1	1	6910	316	1	6387 311
HOLSTEIN												
UNDER 6500--	1	1	1	6170	3.6	224	1	1	10210	369		
7500 - 8499--	2	6	15	8233	3.6	293	1	5	8614	312	1	8817 327
8500 - 9499--	12	42	99	9006	3.6	320	12	3	8612	327	12	8342 319
9500 -10499--	7	15	31	10027	3.7	367	3	2	9243	371	2	7962 328
10500-11499--	5	8	16	11080	3.6	403	3	2	10909	391	2	9791 334
11500-12499--	5	6	8	11820	3.6	424	4	1	10521	391	3	9036 332
12500-13499--	4	4	7	13025	3.7	475	3	1	11477	420	3	12295 445
14500-15499--	2	2	3	15350	3.7	570	2	1	13760	497	2	11236 382
15500-16499--	1	1	1	15720	4.6	731						
16500-- OVER	1	1	2	16545	3.5	574						
JERSEY												
UNDER 6500--	23	93	149	5617	5.2	289	17	3	7116	360	11	5986 299
6500 - 7499--	13	59	119	6637	5.2	346	7	3	6888	347	4	6556 337
7500 - 8499--	6	14	29	7901	5.2	404	2	2	7177	369	1	6605 326
9500 -10499--	1	1	1	9830	5.6	550	1	1	8480	428		
BROWN SWISS												
UNDER 6500--	1	1	2	5950	4.3	251						
8500 - 9499--	1	1	2	8785	4.1	362						
9500 -10499--	3	5	14	10009	4.0	395						
ALL BREEDS												
UNDER 6500--	38	121	221	5618	4.9	276	26	2	7130	346	19	6194 302
6500 - 7499--	22	94	202	6715	5.0	334	14	3	6989	340	11	6406 311
7500 - 8499--	13	37	95	7954	4.7	372	8	2	7635	357	6	6836 311
8500 - 9499--	13	43	101	8989	3.6	323	12	3	8612	327	12	8342 319
9500 -10499--	12	22	47	9985	4.0	395	5	2	8624	372	3	7437 322
10500-11499--	5	8	16	11080	3.6	403	3	2	10909	391	2	9791 334
11500-12499--	5	6	8	11820	3.6	424	4	1	10521	391	3	9036 332
12500-13499--	4	4	7	13025	3.7	475	3	1	11477	420	3	12295 445
14500-15499--	2	2	3	15350	3.7	570	2	1	13760	497	2	11236 382
15500-16499--	1	1	1	15720	4.6	731						
16500-- OVER	1	1	2	16545	3.5	574						

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN: AR TIFICIAL BREEDING ORGANIZATIONS--GROUP D ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRDUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES DAUS. NO. NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE SIRES NO.	MILK LB.	FAT LB.
AYRSHIRE												
UNDER 6500--	2	2	3	5573	4.2	235						
6500 - 7499--	1	1	3	6590	3.9	254					9383	379
7500 - 8499--	6	12	20	8045	4.2	338					8736	348
8500 - 9499--	2	5	5	9258	4.4	411						
9500 -10499--	5	9	9	10191	4.4	442						
11500-12499--	1	1	1	12200	3.6	444	2	2	10575	408	8262	325
12500-13499--	1	2	2	12600	4.4	550						
GUERNSEY												
UNDER 6500--	5	13	26	5719	4.7	272						
6500 - 7499--	1	1	1	6990	4.9	344						
7500 - 8499--	4	6	13	8014	4.7	372					7865	355
8500 - 9499--	5	8	13	8744	5.2	460					10322	484
9500 -10499--	2	3	7	9832	4.7	453	1	1	7433	365	7555	381
HOLSTEIN												
UNDER 6500--	1	1	1	6470	2.9	189						
6500 - 7499--	1	1	1	6510	4.6	296						
7500 - 8499--	1	1	3	8517	3.3	285	1	1	11290	590	11303	407
8500 - 9499--	3	4	9	9015	4.0	358						
9500 -10499--	6	7	12	10069	3.6	360	3	1	11378	422	11038	406
10500-11499--	6	6	13	10796	4.1	442	5	1	10813	596	10028	356
11500-12499--	7	11	14	12168	3.8	462	5	1	11001	598	11728	418
12500-13499--	13	98	166	13003	3.6	469	13	2	10506	389	11204	418
13500-14499--	11	45	69	13988	3.7	520	5	5	12901	463	12018	442
14500-15499--	5	7	10	15005	3.8	568	5	1	13685	486	12594	474
15500-16499--	4	6	9	15927	3.7	587	4	2	11166	450	10092	417
16500- OVER	4	6	8	17743	3.6	628	4	1	15690	548	18465	641
JERSEY												
UNDER 6500--	13	32	59	5435	5.3	286						
6500 - 7499--	8	13	22	7067	5.2	363	6	1	6092	326	6834	347
7500 - 8499--	6	15	17	7798	4.9	382	5	1	7500	393	7548	388
8500 - 9499--	4	4	5	8911	5.0	446	1	2	7645	405		
9500 -10499--	3	4	7	9911	4.8	475	1	1	9230	470		
BROWN SWISS												
UNDER 6500--	1	1	1	4870	4.0	193						
6500 - 7499--	1	1	1	6510	4.3	279						
7500 - 8499--	3	3	4	8053	4.1	329						
8500 - 9499--	3	5	6	9211	4.2	380	1	1	7400	298	10769	436
9500 -10499--	3	3	3	9730	4.2	413						
10500-11499--	1	1	3	11163	4.1	459	1	1	9600	382	9365	361
11500-12499--	2	2	2	11975	3.7	439						
13500-14499--	1	1	2	13965	4.4	603	2	1	9355	386	6589	349
M. SHORTHORN												
UNDER 6500--	1	4	7	6122	4.1	247						
6500 - 7499--	1	2	2	6805	4.0	268	1	2	5120	197	4949	191
7500 - 8499--	1	1	1	8040	4.0	325	1	2	6420	239	4949	191
ALL BREEDS												
UNDER 6500--	23	53	99	5559	4.9	269						
6500 - 7499--	13	19	30	6919	4.8	334	12	1	6965	359	7446	340
7500 - 8499--	21	38	58	7962	4.4	353	7	1	7744	370	7713	363
8500 - 9499--	17	26	38	9033	4.7	419	9	1	8369	363	8930	364
9500 -10499--	19	26	38	9998	4.2	418	6	1	10062	451	10859	426
10500-11499--	7	7	16	11020	4.1	444	10	1	10038	397	9415	356
11500-12499--	10	14	17	12133	3.8	455	5	1	11001	398	11728	418
12500-13499--	14	100	168	12974	3.7	474	7	1	10177	388	10769	407
13500-14499--	12	46	71	13987	3.8	527	13	6	12901	463	12018	442
14500-15499--	5	7	10	15005	3.8	568	9	4	12759	487	12459	476
15500-16499--	4	6	9	15927	3.7	587	5	1	13685	486	10872	433
16500- OVER	4	6	8	17743	3.6	628	4	2	11186	450	10092	417
							4	1	15690	548	18465	641

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD AVERAGE MILK LB.	FAT LB.
AYRSHIRE													
6500 - 7499-	2	2	4	6804	3.6	258							
9500 - 10499-	1	1	1	10100	4.1	418							
10500-11499-	1	1	3	11167	3.6	406							
13500-14499-	1	1	1	13740	4.2	583	1	1	5640	209	1	10083	425
GUERNSEY													
UNDER 6500--	3	3	4	5782	4.9	284	2	1	8990	385	1	6262	380
6500 - 7499-	7	56	122	7119	4.7	336	6	6	9580	415	5	7981	351
7500 - 8499-	7	42	105	8099	4.8	337	6	5	8637	393	5	8272	369
8500 - 9499-	2	3	3	9230	4.7	420	2	1	10490	475	1	11630	511
9500 - 10499-	3	3	6	9695	4.5	441	1	1	8230	342			
14500-15499-	1	1	1	14900	4.3	647							
HOLSTEIN													
UNDER 6500--	1	1	1	4670	3.0	142							
6500 - 7499-	3	3	3	7033	3.5	244	1	1	6650	238	1	11314	411
7500 - 8499-	3	3	6	8217	3.3	270	1	1	13417	479	1	9866	380
8500 - 9499-	11	13	20	9098	3.7	340	8	1	10441	387	7	9735	379
9500 - 10499-	13	39	95	10118	3.9	388	10	5	11162	414	10	10411	395
10500-11499-	25	91	199	11044	3.6	392	20	3	11630	422	17	10478	390
11500-12499-	32	225	429	12016	3.6	432	31	7	11975	437	25	10575	403
12500-13499-	35	118	165	12936	3.6	462	32	3	12711	453	26	11393	412
13500-14499-	25	44	69	13966	3.6	495	21	2	12975	473	16	11649	434
14500-15499-	22	69	107	15015	3.6	537	21	3	13293	483	17	12116	442
15500-16499-	5	5	9	15902	3.8	593	5	1	13671	506	4	12557	477
16500- OVER	7	7	7	18320	3.6	672	7	1	14374	520	3	12208	425
JERSEY													
UNDER 6500--	17	52	101	5882	5.2	306	13	3	7243	361	6	7461	356
6500 - 7499-	25	157	362	6971	5.1	351	19	3	7734	380	8	7506	355
7500 - 8499-	31	187	382	7826	5.2	404	19	4	8092	408	15	7671	365
8500 - 9499-	7	79	130	8921	5.0	441	6	9	8393	421	6	7955	389
9500 - 10499-	5	9	18	9785	5.0	493	4	2	8018	409	2	7772	385
11500-12499-	1	1	1	11760	5.2	607	1	1	9770	515			
BROWN SWISS													
UNDER 6500--	{5	6	6	5229	3.9	213	4	1	6653	254	2	8546	341
	{4	6	6	6165	4.0	244	2	2	9404	363	1	6224	269
	{2	2	2	1965	4.0	78	2	1	2655	91			
8500 - 9499-	3	4	4	8973	4.0	358	1	1	11260	437	1	7913	311
9500 - 10499-	5	6	7	9953	4.1	403	4	1	11364	441	5	9192	362
10500-11499-	1	1	1	10750	4.3	467	1	1	11750	463	1	7913	311
11500-12499-	6	6	7	11960	3.8	448	5	1	9378	368	3	9018	361
12500-13499-	4	8	8	12900	3.6	486	4	2	11599	457	4	8291	323
13500-14499-	1	1	1	14080	3.9	545	1	1	12030	469	1	7913	311
14500-15499-	1	1	1	15000	3.6	539	1	1	11180	435			
15500-16499-	1	1	1	16020	3.8	615	1	1	11950	466	1	7913	311
M. SHORTHORN													
6500 - 7499-	1	1	1	7270	4.4	320							
8500 - 9499-	1	1	1	9290	4.7	434							
ALL BREEDS													
UNDER 6500--	26	62	112	5699	4.9	280	19	2	7303	341	9	7791	355
6500 - 7499-	42	225	498	6922	4.7	325	26	3	8210	381	15	7833	349
7500 - 8499-	43	234	495	7625	4.9	377	28	4	8011	384	21	7920	366
8500 - 9499-	24	100	158	9050	4.2	382	17	4	9772	412	15	9028	387
9500 - 10499-	27	58	127	9778	4.2	417	19	2	10388	415	15	9815	387
10500-11499-	27	93	203	11037	3.6	396	21	3	11636	424	18	10335	386
11500-12499-	39	232	437	12001	3.7	437	37	6	11564	430	28	10408	399
12500-13499-	39	126	173	12932	3.6	464	36	3	12568	453	30	10978	400
13500-14499-	27	46	71	13964	3.6	500	25	2	12615	462	20	11384	427
14500-15499-	24	71	109	15010	3.6	542	22	3	13197	480	17	12116	442
15500-16499-	6	6	10	15921	3.8	597	6	1	13384	499	5	11628	444
16500- OVER	7	7	7	18320	3.6	672	7	1	14374	520	3	12208	425

TABLE 14.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIREs NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY HERO SIREs NO.	AVERAGE MILK LB.	AVERAGE FAT LB.
GUERNSEY													
UNDER 6500--	2	5	11	5173	5.4	279	2	3	7542	356			
6500 - 7499-	8	20	68	7048	5.0	347	6	2	8801	415	6	8473	414
8500 - 9499-	2	2	3	8605	4.8	411	2	1	11420	473	1	13680	464
10500-11499-	1	1	1	11080	4.4	488							
HOLSTEIN													
7500 - 8499-	1	1	1	8180	3.7	301							
8500 - 9499-	1	1	1	9050	3.4	304							
9500 -10499-	2	2	4	9805	3.4	322	2	1	12065	430			
10500-11499-	7	81	158	11200	3.7	410	7	11	12342	442	4	12321	418
11500-12499-	8	141	300	12022	3.5	423	8	16	13073	452	8	12203	433
12500-13499-	13	38	61	12097	3.6	468	13	3	13199	478	8	12412	437
13500-14499-	10	110	261	13710	3.5	479	10	10	13118	464	8	12935	450
14500-15499-	3	14	17	14728	3.4	504	2	6	14848	520	2	14023	490
15500-16499-	2	5	5	15799	3.6	568	2	3	13892	468	2	14274	464
JERSEY													
6500 - 7499-	4	12	34	7130	5.8	408	3	3	8021	426	3	7722	410
7500 - 8499-	5	34	95	7873	5.6	440	4	4	7668	432	3	8365	457
8500 - 9499-	3	11	18	8971	4.9	437	3	2	7248	402	2	7582	411
BROWN SWISS													
6500 - 7499-	2	2	2	7370	4.1	303	1	1	9600	408			
7500 - 8499-	2	2	3	7993	4.3	337	1	1	9900	398			
8500 - 9499-	2	3	5	8718	4.5	390	1	2	11165	441	1	10322	410
9500 -10499-	1	1	1	10400	5.3	549	1	1	10320	410	1	10791	435
10500-11499-	1	2	2	11025	4.1	451	1	2	8950	400			
11500-12499-	2	7	15	12071	4.3	516	2	4	10449	431	1	10622	418
12500-13499-	2	2	2	12640	4.1	512	2	1	9725	390			
13500-14499-	1	2	3	14450	4.2	596	1	1	11590	458			
16500- OVER	1	1	1	19390	4.1	793							
ALL BREEDS													
UNDER 6500--	2	5	11	5173	5.4	279	2	3	7542	356			
6500 - 7499-	14	34	104	7117	5.1	358	12	2	8673	417	9	8222	413
7500 - 8499-	8	37	99	7941	5.0	397	5	4	8114	425	3	8365	457
8500 - 9499-	8	17	27	8826	4.6	402	6	2	9291	432	4	9791	424
9500 -10499-	3	3	5	10003	4.0	398	3	1	11483	423	1	10791	435
10500-11499-	9	84	161	11167	3.8	423	8	10	11718	436	4	12321	418
11500-12499-	10	148	315	12031	3.7	442	10	14	12548	447	9	12027	431
12500-13499-	15	40	63	12863	3.7	473	15	3	12736	466	8	12412	437
13500-14499-	11	112	264	13777	3.6	489	11	9	12979	463	8	12935	450
14500-15499-	3	14	17	14728	3.4	504	2	6	14848	520	2	14023	490
15500-16499-	2	5	5	15799	3.6	568	2	3	13892	468	2	14274	464
16500- OVER	1	1	1	19390	4.1	793							

TABLE 14.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRE NO.	DAUS. NO.	MILK LB.	FAT LB.	YEARLY SIRE NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	1	1	1	5760	3.5	200	1	1	8630	331	1	7358	290
11500-12499-	1	1	1	11590	3.6	422							
GUERNSEY													
UNDER 6500--	3	3	6	5833	4.6	272	2	1	6101	291	2	6762	316
6500 - 7499-	7	18	36	6994	4.7	328	6	2	8935	424	6	8486	397
7500 - 8499-	18	103	230	7968	4.9	387	18	5	9303	438	17	8719	408
8500 - 9499-	14	46	102	9083	4.8	433	12	3	9666	451	12	9173	427
9500 -10499-	8	20	43	9942	4.6	462	7	2	9785	500	5	8861	422
10500-11499-	5	6	20	10996	4.6	510	4	1	10159	483	4	9728	469
11500-12499-	1	1	1	11530	4.7	543	1	1	11480	555	1	10856	510
13500-14499-	2	2	3	13603	5.0	674	1	1	7490	274			
HOLSTEIN													
6500 - 7499-	1	1	1	6760	4.1	275	1	1	8740	338			
7500 - 8499-	2	10	11	8339	3.8	311	2	5	12575	476	2	9887	376
8500 - 9499-	4	5	8	8920	3.9	346	3	1	10398	375	3	10824	392
9500 -10499-	5	6	10	10275	3.8	387	5	1	12417	448	4	11346	415
10500-11499-	11	32	56	10970	3.8	414	10	3	11975	450	9	11131	420
11500-12499-	13	116	192	12070	3.6	435	12	9	12809	461	12	12190	440
12500-13499-	25	228	423	12976	3.7	474	24	8	13569	499	21	12487	456
13500-14499-	35	620	953	13984	3.6	500	33	17	13663	494	32	13139	476
14500-15499-	20	133	188	14961	3.7	544	20	6	13698	500	19	13329	488
15500-16499-	4	11	19	16074	3.4	546	1	1	17510	608	1	15097	534
16500- OVER	2	4	5	17103	3.2	537	2	2	15367	540	2	14731	515
JERSEY													
UNDER 6500--	9	19	21	5683	5.4	305	6	2	7101	386	6	7634	404
6500 - 7499-	10	40	75	6989	5.0	387	9	3	7793	415	10	7618	399
7500 - 8499-	17	112	253	7942	5.4	425	15	6	8165	431	13	8140	428
8500 - 9499-	18	99	170	8992	5.2	465	17	5	8530	456	16	8682	455
9500 -10499-	3	11	12	9887	5.3	519	3	3	8471	463	2	9227	496
BROWN SWISS													
UNDER 6500--	1	1	1	4640	4.6	222							
6500 - 7499-	3	3	4	7168	4.2	299	2	1	9388	397	2	9306	391
7500 - 8499-	1	1	2	8155	4.0	328							
8500 - 9499-	4	5	15	8913	4.3	378	4	1	9580	399	4	10226	441
9500 -10499-	4	10	20	10052	4.3	424	3	2	11070	477	2	10388	435
10500-11499-	4	6	12	11073	4.3	472	3	2	10101	430	3	10090	440
11500-12499-	3	4	8	12121	4.0	486	3	1	11452	481	3	10820	442
12500-13499-	1	2	2	12505	4.0	497	1	2	10800	445	1	10448	433
13500-14499-	1	1	1	13530	5.1	685							
16500- OVER	1	1	3	17137	4.1	699							
M. SHORTHORN													
6500 - 7499-	1	1	1	6880	3.5	239	1	1	9240	351	1	7903	286
8500 - 9499-	1	3	5	8611	4.0	350	1	1	8700	327	1	8306	305
ALL BREEDS													
UNDER 6500--	14	24	29	5661	5.1	285	9	1	7049	359	9	7409	372
6500 - 7499-	22	63	117	7000	5.0	345	19	2	8447	408	19	8085	391
7500 - 8499-	38	226	496	7981	5.0	398	35	6	9002	437	32	8557	414
8500 - 9499-	41	158	300	8999	4.8	431	37	4	9168	458	36	9185	435
9500 -10499-	20	47	85	10039	4.4	444	18	2	10511	475	13	9917	433
10500-11499-	20	44	88	10997	4.1	450	17	2	11217	454	16	10585	436
11500-12499-	18	122	202	12022	3.8	449	16	7	12532	471	16	11850	445
12500-13499-	26	230	425	12958	3.7	475	25	8	13458	497	22	12394	455
13500-14499-	38	623	957	13952	3.7	514	34	16	13482	488	32	13139	476
14500-15499-	20	133	188	14961	3.7	544	20	6	13698	500	19	13329	488
15500-16499-	4	11	19	16074	3.4	546	1	1	17510	608	1	15097	534
16500- OVER	3	5	8	17114	3.5	591	2	2	15367	540	2	14731	515

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES NO.	DAUS. NO.	MILK LB.	FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
7500 - 8499-	1	1	1	7620	3.8	292							
GUERNSEY													
7500 - 8499-	1	2	3	8115	4.4	349							
10500-11499-	1	1	1	11300	3.7	413	1	1	16045	604	1	12660	453
HOLSTEIN													
9500 -10499-	3	6	10	10151	3.3	331	3	2	11326	406	1	10753	361
10500-11499-	10	34	64	11195	3.5	393	10	3	11759	408	7	10908	383
11500-12499-	5	45	93	12072	3.5	416	5	9	12596	430	4	10755	382
12500-13499-	3	16	21	13205	3.5	464	2	8	13157	454	1	11140	366
13500-14499-	4	35	54	14077	3.5	490	3	11	14815	501	2	10933	375
14500-15499-	1	1	1	14940	3.4	506	1	1	14130	476			
16500- OVER	2	2	3	17138	3.7	621	2	1	14100	491			
JERSEY													
UNDER 6500--	1	1	1	5430	5.2	282	1	1	6260	290	1	6747	331
6500 - 7499-	1	2	5	6869	4.7	323	1	1	7600	426	1	7592	354
BROWN SWISS													
UNDER 6500--	1	1	3	6300	4.3	270	1	1	6950	271	1	6431	265
11500-12499-	1	1	5	12090	3.9	474	1	1	12944	543			
ALL BREEDS													
UNDER 6500--	2	2	4	5865	4.8	276	2	1	6605	281	2	6589	298
6500 - 7499-	1	2	5	6869	4.7	323	1	1	7600	426	1	7592	354
7500 - 8499-	2	3	4	7668	4.1	321	1	1	16045	604	1	12660	453
9500 -10499-	3	6	10	10151	3.3	331	3	2	11326	406	1	10753	361
10500-11499-	11	35	65	11204	3.5	395	10	3	11759	408	7	10908	383
11500-12499-	6	46	98	12075	3.6	426	6	8	12654	449	4	10755	382
12500-13499-	3	16	21	13205	3.5	464	2	8	13157	454	1	11140	366
13500-14499-	4	35	54	14077	3.5	490	3	11	14815	501	2	10933	375
14500-15499-	1	1	1	14940	3.4	506	1	1	14130	476			
16500- OVER	2	2	3	17188	3.7	621	2	1	14100	491			

TABLE 14.--DAUGHTER-AVE AGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRLS NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY				YEARLY HERO AVERAGE		
							SIRLS NO.	DAUS. NO.	MILK LB.	FAT LB.	SIRLS NO.	MILK LB.	FAT LB.
AYRSHIRE													
UNDER 6500--	1	1	1	6340	3.9	245							
7500 - 8499--	2	2	5	8398	4.2	352							
8500 - 9499--	1	1	1	9360	4.4	410	1	1	6960	298			
9500 - 10499--	1	1	3	9793	4.2	414							
11500-12499--	2	2	3	11338	4.1	477							
12500-13499--	2	3	5	12768	4.1	524							
GUERNSEY													
UNDER 6500--	2	2	2	4965	5.1	253	2	1	8665	407	2	9026	429
6500 - 7499--	6	23	54	7120	4.9	350	4	1	9324	423	2	9097	433
7500 - 8499--	5	43	72	7788	4.9	385	3	7	8719	411	2	8910	415
8500 - 9499--	5	16	36	9021	4.6	416	3	1	9373	440	3	8729	423
9500 - 10499--	3	13	26	9793	4.7	457	1	6	12582	508	1	11005	453
10500-11499--	2	4	5	11096	4.7	517	2	1	11710	542	1	8262	405
11500-12499--	2	2	3	11835	4.6	539	1	1	11530	550			
HOLSTEIN													
6500 - 7499--	1	1	1	7040	3.7	260	1	1	11320	423	1	10737	393
7500 - 8499--	1	2	2	8305	3.5	290							
8500 - 9499--	4	4	6	9199	3.8	346	5	1	11422	422	5	10453	385
9500 - 10499--	6	27	42	10028	3.6	357	5	5	12302	455	2	11993	426
10500-11499--	12	20	32	10866	3.7	399	6	2	12806	459	7	11724	431
11500-12499--	9	44	71	11855	3.6	429	7	5	12581	463	6	12139	452
12500-13499--	17	43	82	13039	3.6	467	16	2	12901	470	10	11567	424
13500-14499--	20	139	270	14033	3.7	512	16	7	13158	488	12	12526	459
14500-15499--	7	14	18	14938	3.7	554	6	2	13520	487	4	12396	459
15500-16499--	7	7	10	16066	3.5	562	5	1	14122	493	4	13593	475
16500- OVER	7	18	24	18390	3.3	608	7	3	15278	533	5	14339	512
JERSEY													
UNDER 6500--	5	18	49	6103	5.5	337	4	1	6929	355	2	10288	442
6500 - 7499--	8	18	38	7081	5.2	368	7	2	7234	367	6	9239	415
7500 - 8499--	4	5	10	7965	5.4	428	4	1	7475	390	3	8918	446
8500 - 9499--	6	10	16	8713	5.3	460	4	2	8056	399	4	8894	454
9500 - 10499--	1	1	1	10430	5.4	558	1	1	8620	504			
10500-11499--	1	1	1	10660	5.0	538	1	1	7210	368	1	8640	457
11500-12499--	1	4	10	11709	4.5	526	1	1	15580	692	1	11085	532
15500-16499--	1	1	1	15580	4.4	692					1	16693	519
BROWN SWISS													
UNDER 6500--	1	1	1	5360	4.1	222							
7500 - 8499--	2	2	4	8004	4.1	328	1	1	11450	481	1	9821	429
8500 - 9499--	5	6	7	9067	4.1	371	4	1	9880	415	1	9974	402
9500 - 10499--	2	14	17	9931	4.2	413	2	7	10270	417	2	10078	403
10500-11499--	9	26	39	11091	4.2	465	7	1	10603	427	4	10677	427
11500-12499--	6	15	29	12027	4.2	501	5	2	10868	453	2	9533	401
12500-13499--	4	13	15	12936	4.3	546	5	2	12344	489	2	11500	456
13500-14499--	1	1	1	13520	4.2	571	1	1	10380	436	1	9821	429
14500-15499--	2	5	5	15302	3.9	591	1	3	12770	516	1	12748	499
16500- OVER	1	1	2	16750	3.6	608							
M. SHORTHORN													
UNDER 6500--	1	1	1	4620	3.8	174	1	1	10960	423			
ALL BREEDS													
UNDER 6500--	10	23	54	5677	5.0	283	7	1	8001	379	4	9657	435
6500 - 7499--	15	42	93	7094	5.0	354	12	2	8271	390	9	9374	417
7500 - 8499--	14	54	91	7993	4.7	378	8	3	8439	409	6	9066	433
8500 - 9499--	19	37	66	8991	4.5	403	15	1	9406	409	11	9373	422
9500 - 10499--	13	56	89	9772	4.1	410	7	5	11235	459	5	11029	422
10500-11499--	24	51	77	10971	4.0	439	18	1	11517	451	15	10913	430
11500-12499--	20	67	116	11896	4.0	471	12	3	12315	437	9	11443	449
12500-13499--	23	59	102	12977	3.8	485	19	2	12813	473	12	11389	429
13500-14499--	21	140	271	14008	3.7	515	17	6	12974	485	13	12317	457
14500-15499--	9	19	23	15019	3.7	562	7	2	13413	491	5	12467	467
15500-16499--	8	8	11	16006	3.6	578	5	1	14122	493	5	13013	484
16500- OVER	8	19	26	18185	3.4	608	7	3	15278	533	5	14339	512

TABLE 14.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY		MILK LB.	FAT LB.	YEARLY HERD AVERAGE		
							SIRE NO.	DAUS. NO.			SIRE NO.	MILK LB.	FAT LB.
GUERNSEY													
6500 - 7499-	3	3	5	6898	4.9	344	1	1	8590	418	1	9123	434
7500 - 8499-	7	10	24	8246	4.7	385	4	2	9366	441	3	9646	453
8500 - 9499-	5	6	18	8763	4.8	421	3	1	9213	448	3	8774	413
9500 - 10499-	7	8	18	9704	5.0	481	5	1	9855	460	4	9753	458
10500-11499-	3	4	13	10885	4.9	528	2	1	9224	459	2	9821	463
11500-12499-	2	2	5	12075	5.0	604	2	1	8915	434	2	9423	456
HOLSTEIN													
8500 - 9499-	1	1	1	9110	3.6	333	1	1	10590	399			
11500-12499-	1	2	3	12200	3.6	441	1	2	12765	468	1	10955	383
12500-13499-	3	3	6	12669	3.7	466	2	1	13069	478	1	10856	391
13500-14499-	3	3	4	14233	3.7	522	1	1	12750	457			
14500-15499-	2	2	2	14600	3.8	553							
JERSEY													
UNDER 6500--	2	16	45	6231	4.8	297	1	2	7830	379			
6500 - 7499-	2	2	3	7245	5.5	396	2	1	8553	456			
7500 - 8499-	3	6	7	7742	5.2	401	3	1	7127	365	2	7347	352
8500 - 9499-	1	1	1	8560	5.0	427							
9500-11499-	1	1	1	10520	5.2	546	1	1	6870	311	1	7347	352
12500-13499-	1	1	1	13170	4.5	593	1	1	10470	555			
BROWN SWISS													
9500 -10499-	1	1	1	10200	4.3	438							
10500-11499-	1	1	1	11320	4.2	474							
ALL BREEDS													
UNDER 6500--	2	16	45	6231	4.8	297	1	2	7830	379			
6500 - 7499-	5	5	8	7037	5.1	364	3	1	8553	443	1	9123	434
7500 - 8499-	10	16	31	8095	4.8	390	7	1	8406	409	5	8727	413
8500 - 9499-	7	8	20	8798	4.6	409	4	1	9557	436	3	8774	418
9500 - 10499-	8	9	19	9766	4.9	476	5	1	9855	460	4	9753	458
10500-11499-	5	6	15	10899	4.8	521	3	1	8439	396	3	8996	426
11500-12499-	3	4	8	12117	4.5	550	3	1	10198	445	3	9934	431
12500-13499-	4	4	7	12795	3.9	498	3	1	12216	504	1	10856	391
13500-14499-	3	3	4	14233	3.7	522	1	1	12750	457			
14500-15499-	2	2	2	14600	3.8	553							

TABLE 14.--DAUGHTER-AVERAGE OF Sires in Service in Artificial Breeding Organizations--Grouped According to Milk Production, by Breed--Records from This State Only

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY SIRE NO.	HERD AVERAGE MILK LB.	FAT LB.
							SIRE NO.	DAUS. NO.	MILK LB.				
GUERNSEY													
7500 - 8499-	1	5	12	8460	4.8	403							
8500 - 9499-	2	8	19	9257	4.6	416	1	4	12784	640	1	9069	448
9500 - 10499-	3	10	14	10213	4.8	467	3	2	10994	537	2	9434	460
10500-11499-	2	2	4	11530	4.5	512	1	1	10670	512	1	9799	472
14500-15499-	1	1	3	14800	4.7	691	1	1	10775	508	1	9385	436
HOLSTEIN													
UNDER 6500--	1	1	1	6330	3.3	212	1	1	12150	433	1	13527	482
7500 - 8499-	2	8	17	8222	3.8	369	2	2	12002	411	2	12411	432
8500 - 9499-	2	2	4	9350	3.3	306	1	1	11790	394	1	11718	391
9500 - 10499-	6	9	11	9871	3.7	368	5	1	12616	445	4	12701	461
10500-11499-	12	18	25	11128	3.7	406	9	1	13396	473	9	13026	466
11500-12499-	8	49	125	11877	3.7	435	7	5	13219	454	7	12905	459
12500-13499-	11	144	312	12917	3.7	469	9	13	14074	495	9	13057	476
13500-14499-	13	34	50	13969	3.5	487	11	2	13929	503	11	13265	478
14500-15499-	10	14	15	15143	3.4	516	8	1	13473	470	7	12218	435
15500-16499-	3	4	6	15987	3.4	537	3	1	16240	573	2	14582	517
16500- OVER	9	10	13	17469	3.4	601	7	1	14358	505	5	13486	481
JERSEY													
UNDER 6500--	1	1	1	6190	6.2	386	1	1	8950	471	1	7990	432
6500 - 7499-	5	35	101	7181	5.0	357	2	2	8973	460	2	9066	457
7500 - 8499-	2	3	4	8309	5.3	438	2	2	8820	445	1	0186	399
9500 - 10499-	2	6	12	9873	5.3	521	2	3	7991	394	2	9519	475
BROWN SWISS													
10500-11499-	1	1	1	10790	3.6	413	1	1	13320	542			
11500-12499-	1	1	2	12005	3.7	434	1	1	13370	525			
13500-14499-	1	1	1	14290	3.9	562							
14500-15499-	1	1	2	15155	3.7	551	1	1	13170	516			
16500- OVER	1	1	1	17330	3.9	680	1	1	12970	510			
ALL BREEDS													
UNDER 6500--	2	2	2	6260	4.8	299	2	1	10550	452	2	10759	457
6500 - 7499-	5	35	101	7181	5.0	357	2	2	8973	460	2	9066	457
7500 - 8499-	5	16	33	8304	4.6	379	4	2	10411	428	3	11003	421
8500 - 9499-	4	10	23	9303	4.0	362	2	3	12287	517	2	10394	420
9500 - 10499-	11	25	37	9968	4.3	428	10	2	11204	463	6	11039	464
10500-11499-	15	21	30	11132	3.8	420	11	1	13167	485	10	12704	467
11500-12499-	9	50	127	11891	3.7	435	8	5	13258	463	7	12905	459
12500-13499-	11	144	312	12917	3.7	469	9	13	14074	495	9	13057	476
13500-14499-	14	35	51	13992	3.5	495	11	2	13929	503	11	13265	478
14500-15499-	12	16	20	15115	3.6	535	10	1	13173	479	6	11864	435
15500-16499-	3	4	6	15987	3.4	537	3	1	16240	573	2	14582	517
16500- OVER	10	11	14	17455	3.5	609	8	1	14184	505	5	13486	481

TABLE 14.--DAUGHTER-AVERAGE OF GIRL IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	JOY-LAY SIRE NO.	CONTEMPORARY DAUS. NO.	AV. MILK LB.	FAT LB.	YEARLY SIRE NO.	MOHO AVERAGE MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
7500 - 8499-	1	1	1	7680	3.9	300	1	1	9900	390			
9500 -10499-	1	2	2	10425	4.3	448	1	2	9780	374			
GUERNSEY													
UNDER 6500--	1	1	1	6240	4.5	281							
6500 - 7499-	2	8	13	7156	5.0	347	2	3	8492	377	1	8448	356
7500 - 8499-	9	41	95	8011	4.9	369	9	4	9448	417	6	9548	418
8500 - 9499-	4	17	46	8635	4.7	402	4	4	9584	409	1	9345	392
9500 -10499-	1	1	2	10320	4.4	446							
HOLSTEIN													
UNDER 6500--	1	1	1	5000	3.7	164	1	1	11420	459			
7500 - 8499-	3	3	6	8162	4.1	351	3	1	10449	403	2	11510	452
8500 - 9499-	4	7	10	8971	3.6	322	4	2	11448	412	1	11314	423
9500 -10499-	3	5	6	10137	3.6	370	3	2	11656	425			
10500-11499-	18	97	162	11128	3.7	412	18	5	12375	448	11	11511	422
11500-12499-	18	575	1106	11996	3.7	435	18	51	12180	446	10	12346	449
12500-13499-	23	844	1506	12997	3.6	470	23	35	13460	489	11	12874	467
13500-14499-	22	505	865	13911	3.6	502	22	22	13139	478	6	12799	472
14500-15499-	10	76	99	15165	3.6	541	10	8	13847	508	2	13576	479
15500-16499-	4	7	12	15724	3.5	547	4	2	13021	462	1	11402	431
16500- OVER	7	8	13	17324	3.6	616	7	1	14866	539	1	12219	441
JERSEY													
UNDER 6500--	3	7	21	5501	5.2	285	3	2	7424	375	1	8214	421
6500 - 7499-	8	58	103	6815	5.3	358	7	4	7927	412	3	7609	396
7500 - 8499-	14	192	365	7852	5.2	410	13	10	7911	406	5	8360	417
8500 - 9499-	6	34	54	8838	5.2	460	5	7	8247	433			
9500 -10499-	2	2	2	10340	5.5	563	2	1	9630	485			
BROWN SWISS													
8500 - 9499-	1	1	2	9420	3.6	341	1	1	14020	538			
9500 -10499-	1	1	3	10147	4.0	405							
10500-11499-	2	3	6	10904	4.3	472	1	2	11546	458	1	9919	400
M. SHORTHORN													
9500 -10499-	1	1	1	9930	3.9	383							
ALL BREEDS													
UNDER 6500--	5	9	23	5548	4.7	264	4	2	8423	396	1	8214	421
6500 - 7499-	10	66	116	6883	5.2	356	9	4	8052	404	4	7619	386
7500 - 8499-	27	237	467	7933	4.9	390	26	7	8812	409	13	9393	423
8500 - 9499-	15	59	112	8858	4.5	400	14	4	9956	428	2	10330	408
9500 -10499-	9	12	16	10212	4.3	435	6	2	10668	437			
10500-11499-	20	100	188	11106	3.8	418	19	5	12331	448	12	11378	420
11500-12499-	18	575	1106	11996	3.7	435	18	51	12180	446	10	12346	449
12500-13499-	23	844	1506	12997	3.6	470	23	35	13460	489	11	12874	467
13500-14499-	22	505	865	13911	3.6	502	22	22	13139	478	6	12799	472
14500-15499-	10	76	99	15165	3.6	541	10	8	13847	508	2	13576	479
15500-16499-	4	7	12	15724	3.5	547	4	2	13021	462	1	11402	431
16500- OVER	7	8	13	17324	3.6	616	7	1	14866	539	1	12219	441

TABLE 14.--DAUGHTER-AVERAGE OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTER NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRE NO.	CONTEMPORARY DAUS. NO.	AV. MILK LB.	AV. FAT LB.	YEARLY HERD SIRE NO.	MILK LB.	FAT LB.
GUERNSEY													
UNDER 6500--	1	1	1	5630	4.9	277							
6500 - 7499--	1	1	1	6520	5.3	346							
HOLSTEIN													
7500 - 8499--	1	1	1	8220	3.0	316							
11500-12499--	1	1	4	12248	3.6	434	1	1	15075	505			
12500-13499--	1	2	2	12740	3.6	451	1	2	14290	509			
13500-14499--	1	2	3	14400	3.6	514	1	2	12740	451			
14500-15499--	2	2	3	15110	3.5	525	2	1	13268	459			
16500- OVER	2	2	3	17053	3.3	564	2	1	13840	468			
JERSEY													
UNDER 6500--	1	1	1	3510	4.1	143	1	1	8060	379			
6500 - 7499--	1	1	1	7440	4.8	355							
7500 - 8499--	2	3	4	8138	5.3	431	2	1	8065	411	1	10301	559
8500 - 9499--	4	5	6	9179	5.7	520	4	1	9240	502	2	9800	530
9500 -10499--	1	1	1	9700	4.9	478	1	1	10920	582	1	9908	573
10500-11499--	1	1	1	11240	5.0	552	1	1	10840	578	1	9908	573
ALL BREEDS													
UNDER 6500--	2	2	2	4570	4.5	210	1	1	8080	379			
6500 - 7499--	2	2	2	6980	5.1	351							
7500 - 8499--	3	4	5	8165	4.8	325	2	1	8065	411	1	10301	559
8500 - 9499--	4	5	6	9179	5.7	520	4	1	9240	502	2	9800	530
9500 -10499--	1	1	1	9700	4.9	478	1	1	10920	582	1	9908	573
10500-11499--	1	1	1	11240	5.0	558	1	1	10840	578	1	9908	573
11500-12499--	1	1	4	12248	3.6	434	1	1	15075	505			
12500-13499--	1	2	2	12740	3.6	451	1	2	14290	509			
13500-14499--	1	2	3	14400	3.6	514	1	2	12740	451			
14500-15499--	2	2	3	15110	3.5	525	2	1	13268	459			
16500- OVER	2	2	3	17053	3.3	564	2	1	13840	468			

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATION --GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERO MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
UNDER 6500--	1	1	1	5770	4.2	244	1	1	10290	415	1	9875	410
7500 - 8499-	2	3	3	7863	3.9	304	2	2	8860	366	2	8632	358
8500 - 9499-	4	4	4	8835	4.1	364	4	1	9153	363	4	9625	399
9500 -10499-	1	1	1	10300	4.1	422	1	1	8730	356	1	9091	370
10500-11499-	1	2	3	10775	3.9	424	1	2	10420	413	1	11418	437
GULRNSEY													
UNDER 6500--	3	3	6	6233	4.7	292	3	1	8128	373	2	8503	403
6500 - 7499-	9	64	102	6630	4.7	326	8	3	9195	423	6	9298	443
7500 - 8499-	27	434	1011	8118	5.0	403	25	15	9017	425	22	9122	442
8500 - 9499-	46	593	1260	8970	4.9	441	40	13	9695	453	40	9566	457
9500 -10499-	16	219	586	9846	4.9	476	13	15	9670	461	12	9938	473
10500-11499-	6	26	71	10683	4.7	497	5	4	9994	480	4	9601	452
11500-12499-	3	5	5	12048	4.9	591	2	2	10648	473	2	10023	446
12500-13499-	1	1	1	12650	4.0	511					1	10747	477
13500-14499-	2	2	5	13564	4.6	615	1	1	8110	366	1	7768	326
HOLSTEIN													
7500 - 8499-	1	1	1	7600	3.2	244	1	1	11890	465	1	12121	461
8500 - 9499-	1	1	1	8660	4.3	377	1	1	10890	395	1	13376	510
9500 -10499-	6	6	8	10163	3.9	388	6	1	13138	499	5	13336	496
10500-11499-	19	174	318	11099	3.8	414	17	7	12357	460	15	12456	461
11500-12499-	23	331	596	12049	3.6	450	21	15	13254	499	17	13508	505
12500-13499-	44	1651	3630	13004	3.6	471	44	40	13342	484	40	13531	485
13500-14499-	38	1256	2230	13983	3.7	509	36	33	13725	507	34	13679	507
14500-15499-	24	288	497	14729	3.6	539	22	12	14073	514	21	13500	510
15500-16499-	4	25	64	15897	3.9	622	4	6	14852	549	3	14832	540
16500- OVER	6	6	6	19147	3.6	685	6	1	15743	623	5	15293	589
JERSEY													
UNDER 6500--	6	9	21	5429	5.5	297	3	2	6988	366	3	7254	384
6500 - 7499-	8	62	162	6969	5.6	393	6	5	8118	448	4	6240	450
7500 - 8499-	31	568	1391	7979	5.6	443	29	12	8410	449	29	8697	470
8500 - 9499-	34	740	1455	8912	5.5	489	31	17	8794	468	32	8937	471
9500 -10499-	13	64	117	10021	5.2	523	12	4	9404	496	12	9534	511
10500-11499-	6	11	24	11113	5.2	574	3	1	9219	519	2	10165	555
11500-12499-	1	1	3	12417	4.5	564	1	1	10247	543	1	11298	577
BROWN SWISS													
6500 - 7499-	1	2	3	7318	4.1	294							
8500 - 9499-	1	1	1	8900	3.7	333	1	1	11630	432			
9500 -10499-	3	3	6	10101	4.2	426	2	1	10860	456	2	10186	415
10500-11499-	4	12	17	10965	4.5	487	3	3	11424	457	3	12487	488
11500-12499-	6	17	33	11978	4.0	482	6	3	11979	483	5	11704	476
12500-13499-	4	9	12	13068	4.2	543	4	2	11211	463	4	11844	467
13500-14499-	1	1	2	14390	4.5	646	1	1	13840	549			
M. SHORTHORN													
7500 - 8499-	2	3	3	8038	4.0	317	2	1	8760	347	2	9162	369
8500 - 9499-	2	7	17	9276	4.0	372	1	2	10033	391	1	10110	399
9500 -10499-	2	7	8	9914	4.2	410	1	5	8702	352	1	9567	377
10500-11499-	2	2	4	10874	3.8	416	1	1	9355	322	1	9908	351
11500-12499-	2	2	3	12175	4.0	477							
ALL BREEDS													
UNDER 6500--	10	13	28	5704	5.1	290	7	1	7948	376	6	8107	395
6500 - 7499-	18	128	267	6819	5.1	354	14	4	8733	434	16	8875	446
7500 - 8499-	63	1009	2409	8031	5.2	414	59	13	8760	433	56	8941	451
8500 - 9499-	88	1346	2738	8946	5.1	452	76	14	9353	454	78	9373	460
9500 -10499-	41	300	726	9981	4.7	470	35	7	10194	473	33	10284	481
10500-11499-	38	227	437	11003	4.2	460	30	5	11392	463	26	11706	465
11500-12499-	35	356	640	12054	3.9	472	30	11	12725	495	25	12780	497
12500-13499-	49	1861	3643	13002	3.7	478	48	37	13165	482	45	13141	483
13500-14499-	41	1259	2237	13972	3.7	517	38	31	13581	504	35	13511	502
14500-15499-	24	288	497	14929	3.6	539	22	12	14073	514	21	13800	510
15500-16499-	4	25	64	15897	3.9	622	4	6	14852	549	3	14832	540
16500- OVER	6	6	6	19147	3.6	685	6	1	15743	623	5	15293	589

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	SUB-DAY SIRES NO.	CONTEMPORARY DAUS. NO.	MILK LB.	AV. FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
9500 - 9499-	1	1	1	9250	4.5	419	1	1	11000	414			
9500 - 10499-	1	1	1	9040	4.4	427	1	1	12450	449	1	12132	465
10500-11499-	1	1	1	11400	3.9	443	1	1	12170	505			
13500-14499-	1	1	1	13640	4.0	557	1	1	10940	409			
GUERNSEY													
UNDER 6500--	1	1	1	5000	5.0	292							
6500 - 7499-	8	17	33	7127	4.9	344	5	2	9499	436	5	7724	453
7500 - 8499-	24	57	1169	8091	4.9	394	21	23	9398	427	21	7248	429
8500 - 9499-	24	178	382	9019	4.8	431	21	7	9675	441	18	9747	454
9500 - 10499-	9	50	115	9844	5.0	487	6	6	10017	485	8	10201	503
10500-11499-	3	3	5	10700	4.9	526	2	1	9595	504	1	8854	449
11500-12499-	1	1	5	11666	4.6	479	1	1	8910	400	1	9197	421
HOLSTEIN													
6500 - 7499-	1	1	1	7270	3.7	268	1	1	9840	371	1	10344	304
8500 - 9499-	5	8	8	9161	3.7	337	4	2	11573	433	3	11036	455
9500 - 10499-	9	19	36	9926	3.7	363	7	2	11469	428	7	12140	456
10500-11499-	3	182	393	11151	3.6	403	8	22	12163	447	7	11168	421
11500-12499-	23	833	1595	11935	3.7	438	21	36	11726	458	17	11336	450
12500-13499-	18	217	308	12969	3.7	477	18	11	12127	468	10	11345	444
13500-14499-	20	233	327	13740	3.7	510	17	11	13403	499	17	12874	484
14500-15499-	13	75	102	15060	3.7	551	11	5	12958	472	11	13243	491
15500-16499-	7	13	14	15800	3.5	502	3	2	15055	544	3	14445	530
16500-- OVER	7	12	22	17015	3.7	650	6	2	14405	549	6	13767	513
JERSEY													
UNDER 6500--	2	2	3	5748	5.0	284	2	1	7743	455	1	7211	397
6500 - 7499-	6	155	386	7175	5.7	403	4	16	8487	447	4	9014	423
7500 - 8499-	23	699	1597	8070	5.4	432	17	22	8604	465	10	8727	455
8500 - 9499-	26	840	1627	8966	5.3	473	23	24	9006	401	23	9303	423
9500 - 10499-	10	93	161	9821	5.5	539	10	6	8922	464	7	8940	479
10500-11499-	1	5	11	10501	5.4	562	1	7	10000	532	1	7145	435
11500-12499-	1	2	8	11922	5.7	685	1	1	10367	569	1	10216	560
BROWN SWISS													
7500 - 8499-	1	1	1	8170	4.4	356	1	1	14570	570	1	10170	425
8500 - 9499-	2	4	5	8009	4.4	389	2	2	10970	461	2	10446	448
9500 - 10499-	5	7	12	9086	4.2	419	4	1	11308	447	5	9940	429
10500-11499-	3	6	10	11023	4.5	493	2	2	11344	407	1	10283	449
11500-12499-	3	29	37	12604	4.3	524	7	12	11123	485	2	10165	442
12500-13499-	1	1	1	12510	4.0	506	1	1	10400	456	1	12437	496
14500-15499-	1	1	1	15170	4.5	600					1	6126	295
M. SPORTHORN													
10500-11499-	1	1	1	11140	3.6	419							
11500-12499-	1	2	2	12400	3.4	418							
ALL BREEDS													
UNDER 6500--	3	3	4	5705	5.0	287	2	1	7943	455	1	7211	397
6500 - 7499-	15	173	420	7157	5.1	305	13	7	9214	434	10	9102	434
7500 - 8499-	48	1257	2767	8082	5.1	412	41	22	9193	448	40	9036	441
8500 - 9499-	58	1031	2023	9013	4.9	440	51	14	9620	459	40	9743	473
9500 - 10499-	34	175	325	9859	4.7	455	32	4	10320	463	30	10312	471
10500-11499-	17	198	421	11025	4.1	454	14	13	11556	468	10	10649	423
11500-12499-	29	867	1647	11700	3.6	456	25	33	11511	462	23	11109	455
12500-13499-	19	218	309	12964	3.7	477	17	10	12036	467	17	11403	447
13500-14499-	21	234	320	13935	3.7	512	20	11	13284	495	17	12874	484
14500-15499-	14	76	103	15074	3.7	560	11	5	12958	472	12	12650	475
15500-16499-	7	13	14	15800	3.5	562	3	2	15055	544	3	14445	530
16500-- OVER	7	12	22	17015	3.7	650	6	2	14405	549	6	13767	513

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY SIRES NO.	DAUS. NO.	MILK LB.	FAT LB.	YEARLY SIRES NO.	HERD MILK LB.	AVERAGE FAT LB.
AYRSHIRE													
6500 - 7499-	1	1	1	7310	3.8	277							
7500 - 8499-	1	1	1	8270	3.7	310							
11500-12499-	2	3	5	11938	4.1	486							
GUERNSEY													
UNDER 6500--	8	18	26	5619	4.9	272							
6500 - 7499-	9	38	64	7212	4.9	356							
7500 - 8499-	19	87	127	8074	5.1	411	3	1	10303	478			
8500 - 9499-	19	127	201	8958	4.8	427	11	4	9002	429			
9500 - 10499-	10	37	62	9919	4.9	484	3	1	10115	490			
10500-11499-	7	15	32	10866	4.7	508	1	1	8900	474			
HOLSTEIN													
8500 - 9499-	1	1	1	8880	3.1	277							
9500 - 10499-	2	2	3	10223	4.1	417							
10500-11499-	7	5	7	11107	3.9	427	2	1	13523	490			
11500-12499-	14	181	346	11956	3.7	446	1	4	13029	502			
12500-13499-	20	365	532	12992	3.8	466	11	6	12706	466			
13500-14499-	24	586	484	14042	3.7	516	15	9	14104	515			
14500-15499-	16	205	267	14981	3.7	557	15	5	15043	551			
15500-16499-	9	37	44	15675	3.5	546	13	12	14965	550			
16500- OVER	26	61	85	18400	3.5	637	7	5	15143	549			
JERSEY													
UNDER 6500--	3	3	3	5560	5.3	300							
6500 - 7499-	5	21	32	7177	5.6	396	2	1	6175	313			
7500 - 8499-	4	26	39	8239	5.4	443	2	2	7102	364			
8500 - 9499-	10	64	87	9030	5.3	478	1	1	10090	523			
9500 - 10499-	7	33	52	9931	5.2	515	2	1	6165	363			
10500-11499-	1	6	10	11243	5.5	614	1	1	10330	522			
11500-12499-	1	4	4	11753	5.7	661	1	5	11280	595			
12500-13499-	1	3	5	13388	5.5	727	1	4	11498	597			
BROWN SWISS													
UNDER 6500--	1	1	1	2490	4.6	114							
6500 - 7499-	3	3	11	10013	4.2	427							
7500 - 8499-	2	8	10	10827	4.5	484	1	1	14633	602			
8500 - 9499-	1	1	1	12420	4.7	588							
9500 - 10499-	4	10	18	12696	4.3	547							
10500-11499-	1	1	1	13530	4.2	564							
ALL BREEDS													
UNDER 6500--	11	21	29	5603	5.0	279							
6500 - 7499-	15	60	97	7207	5.1	364	2	1	6175	313			
7500 - 8499-	25	115	168	7835	5.1	400	3	1	9023	432			
8500 - 9499-	30	192	289	8979	4.9	439	9	3	9263	438			
9500 - 10499-	22	75	128	9963	4.8	479	15	5	8565	418			
10500-11499-	12	34	59	10931	4.6	499	7	1	11772	511			
11500-12499-	18	189	356	11969	3.9	470	3	3	11076	524			
12500-13499-	25	378	555	12960	3.9	505	12	6	12660	497			
13500-14499-	25	387	485	14021	3.7	517	16	9	13900	518			
14500-15499-	16	205	267	14981	3.7	557	15	5	15043	551			
15500-16499-	9	37	44	15675	3.5	546	13	12	14965	550			
16500- OVER	26	61	85	18400	3.5	637	7	5	15143	549			
							21	2	16140	581			

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRES	DAUGHTERS	RECORDS	MILK	TEST	FAT	305-DAY CONTEMPORARY		MILK	FAT	YEARLY HERD AVERAGE		
	NO.	NO.	NO.	LB.	PCT.	LB.	SIRES	DAUGS.	LB.	LB.	SIRES	MILK	FAT
							NO.	NO.			NO.	LB.	LB.
HOLSTEIN													
UNDER 6500--	1	2	2	6555	3.7	235	1	2	7785	262			
7500 - 8499--	1	1	1	7770	3.2	247							
ALL BREEDS													
UNDER 6500--	1	2	2	6555	3.7	235	1	2	7785	262			
7500 - 8499--	1	1	1	7770	3.2	247							

TABLE 14.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIRE NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY		AV. FAT LB.	YEARLY PERU AVERAGE			
							SIRE NO.	DAUS. NO.		MILK LB.	SIRE NO.	MILK LB.	FAT LB.
GUERNSEY													
UNDER 6500--	1	1	1	6470	5.1	329							
HOLSTEIN													
6500 - 7499-	1	2	3	7380	3.0	207	1	1	11050	372	1	10442	342
8500 - 9499-	1	1	1	9140	3.2	296	1	1	11090	365	1	10442	342
10500-11499-	1	1	2	11310	3.4	384	1	1	11625	374	1	11249	357
12500-13499-	1	1	1	12660	3.9	497	1	1	10960	358	1	10442	342
13500-14499-	1	1	1	13760	3.7	515	1	1	10930	358	1	10442	342
ALL BREEDS													
UNDER 6500--	1	1	1	6470	5.1	329							
6500 - 7499-	1	2	3	7380	3.0	207	1	1	11050	372	1	10442	342
8500 - 9499-	1	1	1	9140	3.2	296	1	1	11090	365	1	10442	342
10500-11499-	1	1	2	11310	3.4	384	1	1	11625	374	1	11249	357
12500-13499-	1	1	1	12660	3.9	497	1	1	10960	358	1	10442	342
13500-14499-	1	1	1	13760	3.7	515	1	1	10930	358	1	10442	342

TABLE 14.--DAUGHTER-AVERAGE OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED ACCORDING TO MILK PRODUCTION, BY BREED--RECORDS FROM THIS STATE ONLY

MILK PRODUCTION	SIREs NO.	DAUGHTERS NO.	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.				YEARLY HERD AVERAGE		
							SIREs	DAUS.	MILK	FAT	SIREs	MILK	FAT
							NO.	NO.	LB.	LB.	NO.	LB.	LB.
HOLSTEIN													
11500-12499-	1	5	12	12426	3.5	444	1	4	13049	500			
12500-13499-	1	2	8	13024	3.8	488	1	2	11802	460			
14500-15499-	1	3	8	15250	3.8	568	1	3	12448	479			
RED DAN													
7500 - 8499-	1	1	2	8495	4.4	368							
ALL BREEDS													
7500 - 8499-	1	1	2	8495	4.4	368							
11500-12499-	1	5	12	12426	3.5	444	1	4	13049	500			
12500-13499-	1	2	8	13024	3.8	488	1	2	11802	460			
14500-15499-	1	3	8	15250	3.8	568	1	3	12448	479			

